Page 1/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

22648-1009

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Red) for Zensations MP
- -1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture: Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN Phone:+81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
- The product is not classified according to the CLP regulation.
- Information concerning particular hazards for human and environment:

The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.

Classification system:

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- · Hazard pictograms Not applicable.
- Signal word Not applicable.
- · Hazard-determining components of labelling: Not applicable.
- Hazard statements Not applicable.
- · Precautionary statements Not applicable.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- · PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

· Composition:		
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	33,3%
CAS: 1319-41-1 EINECS: 215-289-0	Saponite	32,0%
CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	9,0%
		(Contd. on page

Page 1 of 176 Item Numbers: 22648-1009, 22648-1019

Page 2/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

CAS: 1332-58-7	Kaolin	8,0%
EC number: 310-194-1	substance with a Community workplace exposure limit	
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	7,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	5,2%
CAS: 5281-04-9 EINECS: 226-109-5	calcium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate	3,5%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	2,0%

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- *After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available,
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- *5.2 Special hazards arising from the substance or mixture No further relevant information available,
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water,
- · 6.3 Methods and material for containment and cleaning up: Pick up mechanically.

(Contd. on page 3)

- EU

Page 3/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 2)

Trade name:

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment,

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 17.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

- Store away from oxidising agents.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

1332-58-7 Kaolin (8,0%)

WEL (Great Britain) Long-term value: 2 mg/m3

13463-67-7 titanium dioxide (5,2%)

Long-term value: 1,25* 10** mg/m3 AGW (Germany)

2(II);*alveolengängig**einatembar; AGS, DFG

WEL (Great Britain) | Long-term value: 10* 4** mg/m³ *total inhalable **respirable

VME (France) Long-term value: 10 mg/m³

557-05-1 zinc distearate, pure (2,0%)

WEL (Great Britain) Short-term value: 20* mg/m3

Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

VME (France) Long-term value: 10 mg/m³

- DNELs: Not applicable.
- PNECs: Not applicable.
- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- · Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure
- · Appropriate engineering controls See Section 7 for information about design of technical facilities.
- Personal protective equipment
- Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 4)

EU

Page 4/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 3)

Trade name:

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/
the chemical misture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	and chemical properties	
General Information		
Appearance:		
Form:	Solid	
Colour:	Red	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available.	
Change in condition;		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
Boiling point/Boiling range:	Data not available.	
Flash point:	Data not available,	
Flammability (solid, gaseous):	Data not available.	
Auto-ignition temperature:	Data not available.	
Decomposition temperature:	Data not available,	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits		
Lower:	Data not available.	
Upper:	Data not available	
Oxidizing properties:	Data not available.	
Vapour pressure:	Data not available	

Item Numbers: 22648-1009, 22648-1019 Page 4 of 176

Page 5/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 4) Density: Data not available, Relative density: Vapour density: Data not available, Data not available. Evaporation rate: Data not available. Solubility in / Miscibility with Data not available. Partition coefficient (n-octanol/water): Data not available, Viscosity: Dynamic: Data not available. Kinematic: Data not available. 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No decomposition if used according to specifications.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

11.1 Infor Acute toxi		toxicological effects
LD/LC50	values rele	vant for classification:
13463-67-	7 titanium	dioxide
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)
63231-60-	7 Paraffin	waxes and Hydrocarbon waxes,microcryst.
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3600 mg/kg (rabbit)
9004-32-4	carboxym	ethyl cellulose, sodium salt
Oral	LD50	27000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
557-04-0 i	magnesiun	distearate, pure
Oral	LD50	>2000 mg/kg (rat)
557-05-1 z	inc distear	ate, pure
Oral	LD50	>10000 mg/kg (mouse)
		>10000 mg/kg (rat)

- Germ cell mutagenicity
- Based on available data, the classification criteria are not met.
- Carcinogenicity

Based on available data, the classification criteria are not met.

(Contd. on page 6)

Page 6/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 5)

Trade name:

- Reproductive toxicity
- Based on available data, the classification criteria are not met.
- STOT-single exposure
- Based on available data, the classification criteria are not met.
- STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- -12.1 Toxicity
- *Aquatic toxicity: No further relevant information available.
- +12.2 Persistence and degradability No further relevant information available.
- *12.3 Bioaccumulative potential No further relevant information available.
- •12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- *PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- · Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.2 UN proper shipping name		
ADR,RID,ADN, IMDG, IATA	Not applicable	
14.3 Transport hazard class(es)		
ADR,RID,ADN, IMDG, IATA		
- Class	Not applicable	
· 14.4 Packing group		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.5 Environmental hazards		
Marine pollutant:	No	
· 14.6 Special precautions for user	Not applicable.	
- 14.7 Transport in bulk according to Anne	ex II of	
MARPOL73/78 and the IBC Code	Not applicable.	

Item Numbers: 22648-1009, 22648-1019 Page 6 of 176

Page 7/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 6) UN "Model Regulation"; SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture MAK(German Maximum Workplace Concentration) 13463-67-7 titanium dioxide 3A Directive 2012/18/EU *Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water, Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. REACH Regulation Annex XVII Restriction See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorisation List None of the ingredients is listed. - 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out. SECTION 16: Other information The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830. DISCLAIMER OF LIABILITY: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

End of document

Page 1/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Ruby Red) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture Drawing
- 1.3 Details of the supplier of the safety data sheet
- -Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
 The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

- · 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable
- Hazard pictograms Not applicable
- Signal word Not applicable
- · Hazard-determining components of labelling: Not applicable
- · Hazard statements Not applicable
- Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable
- ••v**PvB:** Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

Composition:		
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	45,7%
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	26,0%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	7,0%
	4	(Contd. on page

Page 8 of 176 Item Numbers: 22648-1009, 22648-1019

Page 2/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

	(Conte	f, of page
CAS: 9004-32-4	Carboxymethylcellulose Sodium	6,0%
CAS: 6410-26-0 EINECS: 229-096-4	4-[(2-chlorophenyl)azo]-3-hydroxy-N-phenylnaphthalene-2-carboxamide	5,0%
CAS: 5281-04-9 EINECS: 226-109-5	calcium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate	4,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	3,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	3,0%
CAS: 1333-86-4 EINECS: 215-609-9	Carbon black substance with a Community workplace exposure limit	0,3%

Remark:

All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

calcium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate (CAS No.5281-04-9) Synonym: C.I. Pigment Red 57:1

SECTION 4: First aid measures

- 4.1 Description of first aid measures
 After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eve contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

(Contd. on page 3)

Page 3/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

Avoid contact with skin.

(Contd. of page 2)

Avoid Contact with skin.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities:
- · Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- •7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters Ingredients with limit values that require monitoring at the workplace: 1332-58-7 Kaolin (45,7%) WEL (Great Britain) Long-term value: 2 mg/m³ 13463-67-7 titanium dioxide (3,0%) Long-term value: 1,25* 10** mg/m3 AGW (Germany) 2(II); *alveolengängig**einatembar; AGS, DFG VME (France) Long-term value: 10 mg/m3 WEL (Great Britain) Long-term value: 10* 4** mg/m³ *total inhalable **respirable 557-05-1 zinc distearate (3,0%) VME (France) Long-term value: 10 mg/m³ WEL (Great Britain) Short-term value: 20* mg/m³ Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust 1333-86-4 Carbon black (0,3%)

WEL (Great Britain) Short-term value: 7 mg/m³
Long-term value: 3,5 mg/m³

VME (France)

- · DNELs: Data not available · PNECs: Data not available
- Additional information: The lists valid during the making were used as basis.

Long-term value: 3,5 mg/m³

(Contd. on page 4)

- EU

Page 4/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 3)

- 8.2 Exposure controls
- -Based on composition shown in Section 3, the following messures are suggested for occupational safety measure:
- Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment:
- Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	and chemical properties	
· Appearance:		
Form:	Solid	
Colour:	Brick Red	
Odour:	Odourless	
·Odour threshold:	Data not available.	
· pH-value:	Data not available	
· Change in condition		
Melting point/Melting range:	Data not available.	
Boiling point/Boiling range:	Data not available	
Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available.	
Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available.	
Self-igniting:	Product is not selfigniting.	

(Contd. on page 5)

— EU

Page 5/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 4) Product does not present an explosion hazard. Explosive properties: Explosion limits: Lower: Data not available. Upper: Data not available. Oxidising properties Data not available · Vapour pressure: Date not available. Data not available. · Density: Relative density Data not available. Date not available. Vapour density Evaporation rate Data not available Solubility in / Miscibility with Data not available - Partition coefficient (n-octanol/water): Data not available. Viscosity: Dynamic: Data not available Kinematic: Data not available 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No decomposition if used according to specification.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

LD/LC50 values relevant for classification: 13463-67-7 titanium dioxide LD50 >20000 mg/kg (rat) LD50 >10000 mg/kg (rabbit) LD50 >6,82 mg/l (rat) 9004-32-4 Carboxymethylcellulose Sodium LD50 >27000 mg/kg (mouse) 27000 mg/kg (rat) > 27000 mg/kg (rat) > 27000 mg/kg (rabbit) > 27000 mg/kg (rabbit) > 27000 mg/kg (rabbit) > 257-05-1 zinc distearate LD50 > 10000 mg/kg (mouse)			on available data, the classification criteria are not met.
Oral LD50 >20000 mg/kg (rat) Dermal LD50 >10000 mg/kg (rabbit) Inhalative LC50/4 h >6,82 mg/l (rat) 9004-32-4 Carboxymethylcellulose Sodium Oral LD50 > 27000 mg/kg (mouse) 27000 mg/kg (rat) > 27000 mg/kg (rabbit) Dermal LD50 > 2000 mg/kg (rabbit) 557-05-1 zinc distearate	LD/LC50	values rele	vant for classification:
Dermal LD50 >10000 mg/kg (rabbit)	13463-67-	7 titanium	dioxide
Inhalative LC50/4 h >6,82 mg/l (rat)	Oral	LD50	>20000 mg/kg (rat)
9004-32-4 Carboxymethylcellulose Sodium Oral LD50 > 27000 mg/kg (mouse) 27000 mg/kg (rat) > 27000 mg/kg (rabbit) Dermal LD50 > 2000 mg/kg (rabbit) 557-05-1 zinc distearate - 2000 mg/kg (rabbit)	Dermal	LD50	>10000 mg/kg (rabbit)
Oral LD50 > 27000 mg/kg (mouse) 27000 mg/kg (rat) > 27000 mg/kg (rabbit) Dermal LD50 > 2000 mg/kg (rabbit) 557-05-1 zinc distearate - 2000 mg/kg (mouse)	Inhalative	LC50/4 h	>6,82 mg/l (rat)
27000 mg/kg (rat) > 27000 mg/kg (rabbit) Dermal LD50 > 2000 mg/kg (rabbit) 557-05-1 zinc distearate	9004-32-4	Carboxyn	nethylcellulose Sodium
> 27000 mg/kg (rabbit) Dermal LD50 > 2000 mg/kg (rabbit) 557-05-1 zinc distearate	Oral	LD50	> 27000 mg/kg (mouse)
Dermal LD50 >2000 mg/kg (rabbit) 557-05-1 zinc distearate			27000 mg/kg (rat)
557-05-1 zinc distearate			> 27000 mg/kg (rabbit)
	Dermal	LD50	>2000 mg/kg (rabbit)
Oral LD50 > 10000 mg/kg (mouse)	557-05-1 z	inc distear	rate
	Oral	LD50	> 10000 mg/kg (mouse)
			(Contd. on

Item Numbers: 22648-1009, 22648-1019 Page 12 of 176

Page 6/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 5)

Trade name:

 1333-86-4 Carbon black

 Oral
 LD50
 15400 mg/kg (rat)

 Dermal
 LD50
 3000 mg/kg (rabbit)

- · Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- *STOT-repeated exposure: Based on available data, the classification criteria are not met.
- *Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- ♥vPvB: Not applicable.
- *12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- ≈13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- * Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

-14.1 UN-Number		
· ADR,RID,ADN, IMDG, IATA	Not applicable	
14.2 UN proper shipping name		
ADR,RID,ADN, IMDG, IATA	Not applicable	
14.3 Transport hazard class(es)		
ADR,RID,ADN, IMDG, IATA		
Class	Not applicable	
14.4 Packing group		
ADR,RID,ADN, IMDG, IATA	Not applicable	

Page 13 of 176

Page 7/8

3A*3B*

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 6) 14.5 Environmental hazards Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable. -14.8 Transport/Additional information: Not dangerous according to the above specifications. "UN "Model Regulation":

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- MAK (German Maximum Workplace Concerntration)

13463-67-7	titanium dioxide	
1333-86-4	Carbon black	Ī

- Directive 2012/18/EU
- Named dangerous substances ANNEX I None of the ingredients is listed.
- ·National regulations:
- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Other regulations, limitations and prohibitive regulations
- SVHC Candidate List of REACH Regulation Annex XIV Authorisation

None of the ingredients is listed.

- **REACH Regulation Annex XVII Restriction**
- See Section 16 for information about restriction of use.

None of the ingredients is listed.

REACH Regulation Annex XIV Authorization List

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals

GH3: Albamy Hamionisea System to Lassification and Educining by Chemice EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH)

(Contd. on page 8)

Page 8/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Item Numbers: 22648-1009, 22648-1019 Page 15 of 176

Page 1/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Sap Green) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
- The product is not classified according to the CLP regulation.
- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable
- · Hazard pictograms Not applicable · Signal word Not applicable
- Hazard-determining components of labelling: Not applicable
- · Hazard statements Not applicable
- Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable
- ••v**P**v**B:** Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions,

CAS: 1332-58-7	Kaolin	48,0%
EC number: 310-194-	1 substance with a Community workplace exposure limit	
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	31,88%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes, microcryst.	7,0%

Page 2/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

		(Contd. of page
CAS: 9004-32-4	Carboxymethylcellulose Sodium	6,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	3,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	3,0%
CAS: 1328-53-6 EINECS: 215-524-7	polychloro copper phthalocyanine	0,8%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	0,2%
CAS: 1333-86-4 EINECS: 215-609-9	Carbon black substance with a Community workplace exposure limit	0,12%

· Remark:

All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

polychloro copper phthalocyanine (CAS No.1328-53-6)

Synonym: Pigment Green 7

 $2\hbox{-}[(4\hbox{-}methyl\hbox{-}2\hbox{-}nitrophenyl)azo]\hbox{-}3\hbox{-}oxo\hbox{-}N\hbox{-}phenylbutyramide} \ (CAS\ No.2512\hbox{-}29\hbox{-}0)$

Synonym: Pigment Yellow 1

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation.

(Contd. on page 3)

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Page 3/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 2)

Trade name:

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

*6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water,

• 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

Ingredients with limi	it values that require monitoring at the workplace:		
1332-58-7 Kaolin (48	8,0%)		
WEL (Great Britain)	Long-term value: 2 mg/m³		
13463-67-7 titanium	dioxide (3,0%)		
AGW (Germany)	Long-term value: 1,25* 10** mg/m³ 2(11); *alveolengängig**einatembar; AGS, DFG		
VME (France)	Long-term value: 10 mg/m³		
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable		
557-05-1 zinc distearate (3,0%)			
VME (France)	Long-term value: 10 mg/m³		
WEL (Great Britain)	Short-term value: 20* mg/m³ Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust		
1333-86-4 Carbon bl	ack (0,12%)		
VME (France)	Long-term value: 3,5 mg/m³		
WEL (Great Britain)	Short-term value: 7 mg/m³ Long-term value: 3,5 mg/m³		

Item Numbers: 22648-1009, 22648-1019 Page 18 of 176

Page 4/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 3)

- Additional information: The lists valid during the making were used as basis.
- *8.2 Exposure controls
- Based on composition shown in Section 3, the following messures are suggested for occupational safety measure:
- Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- * Personal protective equipment:
- Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	and chemical properties	
Appearance:		
Form:	Solid	
Colour:	Jungle Green	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available	
Change in condition		
Melting point/Melting range:	Data not available.	
Boiling point/Boiling range:	Data not available	
Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available.	
Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available.	

Item Numbers: 22648-1009, 22648-1019 Page 19 of 176

Page 5/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

		(Contd. of page
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
- Explosion limits:		
Lower:	Data not available.	
Upper:	Data not available.	
Oxidising properties	Data not available	
· Vapour pressure:	Date not available.	
· Density:	Data not available.	
Relative density	Data not available.	
Vapour density	Date not available.	
· Evaporation rate	Data not available	
Solubility in / Miscibility with		
water:	Data not available	
Partition coefficient (n-octano	l/water): Data not available.	
· Viscosity:		•
Dynamic:	Data not available	
Kinematic:	Data not available	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- # 10.1 Reactivity No decomposition if used according to specification.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

Acute tox	icity Based	toxicological effects on available data, the classification criteria are not met.
LD/LC50	values rele	vant for classification:
13463-67	-7 titanium	dioxide
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)
9004-32-	4 Carboxyn	nethylcellulose Sodium
Oral	LD50	> 27000 mg/kg (mouse)
		27000 mg/kg (rat)
		> 27000 mg/kg (rabbit)
Dermal	LD50	>2000 mg/kg (rabbit)
557-05-1	zinc distear	rate
Oral	LD50	> 10000 mg/kg (mouse)
		> 10000 mg/kg (rat)

Item Numbers: 22648-1009, 22648-1019 Page 20 of 176

Page 6/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

		(Contd. of pag
1333-86-4	4 Carbon	black
Oral	LD50	15400 mg/kg (rat)
Dermal	LD50	3000 mg/kg (rabbit)
2512-29-0	0 2-[(4-me	ethyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide
Oral	LD50	>10000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- * Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- *Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- *12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- * **PBT**: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number
- * ADR,RID,ADN, IMDG, IATA Not applicable
- 14.2 UN proper shipping name
- ADR,RID,ADN, IMDG, IATA

(Contd. on page 7)

- EU

Not applicable

Page 7/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

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14.3 Transport hazard class(es)	
ADR,RID,ADN, IMDG, IATA	
Class	Not applicable
· 14.4 Packing group	
ADR,RID,ADN, IMDG, IATA	Not applicable
- 14.5 Environmental hazards	Not applicable.
· 14.6 Special precautions for user	Not applicable.
-14.7 Transport in bulk according to Annex	II of
Marpol and the IBC Code	Not applicable.
· 14.8 Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Seri

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

MAK (Gern	an Maximum Workplace Concerntration)	
13463-67-7	titanium dioxide	3A
1333-86-4	Carbon black	3B

- Directive 2012/18/EU
- Named dangerous substances ANNEX I None of the ingredients is listed.
- National regulations:
- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Other regulations, limitations and prohibitive regulations
- · SVHC Candidate List of REACH Regulation Annex XIV Authorisation

None of the ingredients is listed

- · REACH Regulation Annex XVII Restriction
- See Section 16 for information about restriction of use.

None of the ingredients is listed.

REACH Regulation Annex XIV Authorization List

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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Page 8/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 7)

Trade name:

Abbreviations and acronyms:

End of document

Page 23 of 176 Item Numbers: 22648-1009, 22648-1019

Page 1/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Sky Blue) for Zensations MP
- *1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture: Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- *Classification system:

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- * Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- Hazard pictograms Not applicable.
- Signal word Not applicable.
- * Hazard-determining components of labelling: Not applicable.
- · Hazard statements Not applicable.
- Precautionary statements Not applicable.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- *PBT: Not applicable.
- ≈vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

CAS: 1319-41-1 EINECS: 215-289-0	Saponite	32,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	25,0%
CAS: 1332-58-7 EC number: 310-194-	Kaolin 1 substance with a Community workplace exposure limit	10,0%

Item Numbers: 22648-1009, 22648-1019 Page 24 of 176

Page 2/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

CAS: 9004-32-4		(Contd. of page 1
CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	10,0%
CAS: 147-14-8 EINECS: 205-685-1	29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	9,5%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	6,0%
CAS: 9000-01-5 EINECS: 232-519-5	gum arabic	5,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	2,5%

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- *After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- *Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- *5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water,
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

(Contd. on page 3)

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Item Numbers: 22648-1009, 22648-1019 Page 25 of 176

Page 3/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 2)

Trade name:

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

§7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- -7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with lim	it values that require monitoring at the workplace:	
557-05-1 zinc distear		
WEL (Great Britain)	Short-term value: 20* mg/m³	
	Long-term value: 10* 4** mg/m ³	
	*inhalable dust **respirable dust	
VME (France)	Long-term value: 10 mg/m³	
1332-58-7 Kaolin (10	0,0%)	
WEL (Great Britain)	Long-term value: 2 mg/m³	
13463-67-7 titanium	dioxide (2,5%)	
AGW (Germany)	Long-term value: 1,25* 10** mg/m ³	
	2(II);*alveolengängig**einatembar; AGS, DFG	
WEL (Great Britain)	Long-term value: 10* 4** mg/m³	
, , , , , , , , , , , , , , , , , , , ,	*total inhalable **respirable	
VME (France)	Long-term value: 10 mg/m³	

- · DNELs: Not applicable.
- · PNECs: Not applicable.
- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure
- Appropriate engineering controls See Section 7 for information about design of technical facilities.
- · Personal protective equipment
- · Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 4)

EU -

Page 4/7

(Contd. of page 3)

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	and chemical properties	
General Information		
Appearance: Form:	Solid	
rorm: Colour:	Soua Blue	
Colour: Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available.	
Change in condition:		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
Boiling point/Boiling range:	Data not available.	
Flash point:	Data not available.	
Flammability (solid, gaseous):	Data not available.	
Auto-ignition temperature:	Data not available.	
Decomposition temperature:	Data not available.	
Self-igniting:	Product is not selfigniting,	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits		
Lower:	Data not available.	
Upper:	Data not available.	
Oxidizing properties:	Data not available.	
Vapour pressure:	Data not available.	

Item Numbers: 22648-1009, 22648-1019 Page 27 of 176

Page 5/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 4) Density: Data not available. Relative density: Data not available. Vapour density: Data not available. Evaporation rate: Data not available. Solubility in / Miscibility with Data not available. - Partition coefficient (n-octanol/water): Data not available. Viscosity: Dynamic: Data not available. Kinematic: Data not available. 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- *10.1 Reactivity No decomposition if used according to specifications.
- *10.2 Chemical stability Stable under recommended storage conditions.
- *10.3 Possibility of hazardous reactions No dangerous reactions known.
- *10.4 Conditions to avoid No further relevant information available.
- *10.5 Incompatible materials: No further relevant information available.
- *10.6 Hazardous decomposition products: No dangerous decomposition products known.

11.1 Info Acute tox		toxicological effects	
	-	evant for classification:	
	-7 titanium		
Oral	LD50	>20000 mg/kg (rat)	
Dermal	LD50	>10000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>6,82 mg/l (rat)	
63231-60	-7 Paraffin	waxes and Hydrocarbon waxes,microcryst.	
Oral	LD50	>5000 mg/kg (rat)	
Dermal	LD50	>3600 mg/kg (rabbit)	
9000-01	5 gum arab	ic	
Oral	LD50	>16000 mg/kg (mouse)	
		>16000 mg/kg (rat)	
		>8000 mg/kg (rabbit)	
9004-32-	4 carboxym	ethyl cellulose, sodium salt	
Oral	LD50	27000 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rabbit)	
557-05-1	zinc distear	rate, pure	
Oral	LD50	>10000 mg/kg (mouse)	
		>10000 mg/kg (rat)	
147-14-8	29Н,31Н-р	hthalocyaninato(2-)-N29,N30,N31,N32 copper	

Item Numbers: 22648-1009, 22648-1019 Page 28 of 176

Page 6/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 5)

Trade name:

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity
- Based on available data, the classification criteria are not met.
- · Carcinogenicity
- Based on available data, the classification criteria are not met.
- Reproductive toxicity
- Based on available data, the classification criteria are not met.
- STOT-single exposure
- Based on available data, the classification criteria are not met.
- STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- * Aquatic toxicity: No further relevant information available.
- * 12.2 Persistence and degradability No further relevant information available.
- *12.3 Bioaccumulative potential No further relevant information available.
- *12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste,
- Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.2 UN proper shipping name ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.3 Transport hazard class(es) ADR,RID,ADN, IMDG, IATA Class	Not applicable.	
14.4 Packing group ADR,RID,ADN, IMDG, IATA	Not applicable.	
	Not applicable.	

Item Numbers: 22648-1009, 22648-1019 Page 29 of 176

Page 7/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Revision 16.06.2021 Printing date 16.06.2021 Trade name: (Contd. of page 6) 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of Not applicable. MARPOL73/78 and the IBC Code UN "Model Regulation": SECTION 15: Regulatory information - 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture - MAK(German Maximum Workplace Concentration) 13463-67-7 titanium dioxide 3A Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: - Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water, Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. **REACH Regulation Annex XVII Restriction** See Section 16 for information about restriction of use. None of the ingredients is listed. **REACH Regulation Annex XIV Authorisation List** None of the ingredients is listed. - 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent

LC50: Lethal concentration. LD50: Lethal dose, 50 percent

End of document

Page 1/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Steel Grey) for Zensations MP
- -1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone : +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- *Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- * Labelling according to Regulation (EC) No 1272/2008 Not applicable
- Hazard pictograms Not applicable
 Signal word Not applicable
- Hazard-determining components of labelling: Not applicable
- · Hazard statements Not applicable
- Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable
- vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

CAS: 1332-58-7	Kaolin	48,0%
EC number: 310-194-	1 substance with a Community workplace exposure limit	
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	31,7%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes, microcryst.	7.0%

(Contd. on page

Page 2/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

		(Contd. of page 1
CAS: 9004-32-4	Carboxymethylcellulose Sodium	6,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	3,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	3,0%
CAS: 147-14-8 EINECS: 205-685-1	29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	0,5%
CAS: 1333-86-4 EINECS: 215-609-9	Carbon black substance with a Community workplace exposure limit	0,4%
CAS: 1328-53-6 EINECS: 215-524-7	polychloro copper phthalocyanine	0,4%

Remark:

All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper (CAS No.147-14-8)

Synonym: Copper phthalocyanine

polychloro copper phthalocyanine (CAS No.1328-53-6)

Synonym: Pigment Green 7

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- *After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- *5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- -5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:
- Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation.

(Contd. on page 3)

— EU

Page 3/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 2)

Trade name:

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

- *6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water,
- *6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

8.1 Control paramete	ers	
Ingredients with limi	t values that require monitoring at the workplace:	
1332-58-7 Kaolin (48	8,0%)	
WEL (Great Britain)	Long-term value: 2 mg/m³	
13463-67-7 titanium	dioxide (3,0%)	
AGW (Germany)	Long-term value: 1,25* 10** mg/m³ 2(II);*alveolengängig**einatembar; AGS, DFG	
VME (France)	Long-term value: 10 mg/m³	
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable	
557-05-1 zinc distear	rate (3,0%)	
VME (France)	Long-term value: 10 mg/m³	
WEL (Great Britain)	Short-term value: 20* mg/m³ Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust	
1333-86-4 Carbon bl	ack (0,4%)	
VME (France)	Long-term value: 3,5 mg/m³	
WEL (Great Britain)	Short-term value: 7 mg/m³ Long-term value: 3,5 mg/m³	

Item Numbers: 22648-1009, 22648-1019 Page 33 of 176

Page 4/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 3)

- · Additional information: The lists valid during the making were used as basis.
- -8.2 Exposure controls
- · Based on composition shown in Section 3, the following messures are suggested for occupational safety
- Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment:
- *Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	nd chemical properties	
Appearance:		
Form:	Solid	
Colour:	Stormy Grey	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available	
Change in condition		
Melting point/Melting range:	Data not available	
Boiling point/Boiling range:	Data not available	
Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available.	
Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available.	

Page 5/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

	(Contd. of page
Self-igniting:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Data not available.
Upper:	Data not available.
Oxidising properties	Data not available
Vapour pressure:	Date not available,
Density:	Data not available.
Relative density	Data not available.
Vapour density	Date not available.
Evaporation rate	Data not available
Solubility in / Miscibility with	
water:	Data not available
Partition coefficient (n-octano	l/water): Data not available.
Viscosity:	
Dynamic:	Data not available
Kinematic:	Data not available
9.2 Other information	No further relevant information available,

SECTION 10: Stability and reactivity

- 10.1 Reactivity No decomposition if used according to specification.
- · 10.2 Chemical stability Stable under recommended storage conditions.
- . 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- $\cdot \textbf{10.5 In compatible materials:} \ No \ further \ relevant \ information \ available.$
- ± 10.6 Hazardous decomposition products: No dangerous decomposition products known,

Acute tox	icity Based	toxicological effects on available data, the classification criteria are not met.
		vant for classification:
13463-67	-7 titanium	dioxide
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)
9004-32-4	4 Carboxyn	nethylcellulose Sodium
Oral	LD50	> 27000 mg/kg (mouse)
		27000 mg/kg (rat)
		> 27000 mg/kg (rabbit)
Dermal	LD50	>2000 mg/kg (rabbit)
557-05-1	zinc distear	rate
Oral	LD50	> 10000 mg/kg (mouse)
		> 10000 mg/kg (rat)

Item Numbers: 22648-1009, 22648-1019 Page 35 of 176

Page 6/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 5) 1333-86-4 Carbon black Oral LD50 15400 mg/kg (rat) LD50 Dermal 3000 mg/kg (rabbit)

- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- · Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- * Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- * 12.3 Bioaccumulative potential No further relevant information available.
- * 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- * PBT: Not applicable.
- vPvB: Not applicable.
- * 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- -13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number		
ADR,RID,ADN, IMDG, IATA	Not applicable	
14.2 UN proper shipping name		
ADR,RID,ADN, IMDG, IATA	Not applicable	
14.3 Transport hazard class(es)		
ADR,RID,ADN, IMDG, IATA		
Class	Not applicable	
Class 14.4 Packing group	Not applicable	
ADR,RID,ADN, IMDG, IATA	Not applicable	

Page 36 of 176 Item Numbers: 22648-1009, 22648-1019

Page 7/8

3A

3B

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 6) 14.5 Environmental hazards Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable. 14.8 Transport/Additional information: Not dangerous according to the above specifications. UN "Model Regulation":

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- MAK (German Maximum Workplace Concerntration)

13463-67-7 titanium dioxide 1333-86-4 Carbon black

- Directive 2012/18/EU
- Named dangerous substances ANNEX I None of the ingredients is listed.
- National regulations:
- · Waterhazard class: Water hazard class I (Self-assessment): slightly hazardous for water.
- Other regulations, limitations and prohibitive regulations
- SVHC Candidate List of REACH Regulation Annex XIV Authorisation

None of the ingredients is listed.

- **REACH Regulation Annex XVII Restriction**
- See Section 16 for information about restriction of use.

None of the ingredients is listed.

REACH Regulation Annex XIV Authorization List

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association

IASIA: International AIF Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)

(Contd. on page 8)

Page 37 of 176 Item Numbers: 22648-1009, 22648-1019

Page 8/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Page 1/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Terracotta) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:

 The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- *Labelling according to Regulation (EC) No 1272/2008 Not applicable
- · Hazard pictograms Not applicable
- Signal word Not applicable
- · Hazard-determining components of labelling: Not applicable
- -Hazard statements Not applicable
- · Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- · PBT: Not applicable
- vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

Composition:		
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	45,5%
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	26,0%
CAS: 1332-37-2 EINECS: 215-570-8	Iron oxide	8,0%

(Contd. on page 2)

Page 2/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

	(Con	td. of page 1
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes, microcryst.	7,0%
CAS: 9004-32-4	Carboxymethylcellulose Sodium	6,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	3,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	3,0%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	1,0%
CAS: 6410-26-0 EINECS: 229-096-4	4-[(2-chlorophenyl)azo]-3-hydroxy-N-phenylnaphthalene-2-carboxamide	0,5%

Remark:

All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide (CAS No.2512-29-0) Synonym: Pigment Yellow 1

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

- If skin irritation continues, consult a doctor.
- *After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

-6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

(Contd. on page 3)

- EU

Page 3/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

Avoid contact with skin.

(Contd. of page 2)

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water,
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

*7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

1332-58-7 Kaolin (45,5%)

WEL (Great Britain) Long-term value: 2 mg/m³

557-05-1 zinc distearate (3,0%)

VME (France) Long-term value: 10 mg/m³ WEL (Great Britain) Short-term value: 20* mg/m³ Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

13463-67-7 titanium dioxide (3,0%)

Long-term value: 1,25* 10** mg/m3 AGW (Germany) 2(II); *alveolengängig **einatembar; AGS, DFG VME (France) Long-term value: 10 mg/m3 WEL (Great Britain) Long-term value: 10* 4** mg/m³ *total inhalable **respirable

- · DNELs: Data not available
- · PNECs: Data not available
- · Additional information: The lists valid during the making were used as basis.
- -8.2 Exposure controls
- · Based on composition shown in Section 3, the following messures are suggested for occupational safety
- Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment:
- Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 4)

Page 4/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 3)

Trade name:

* Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

* Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	and chemical properties	
Appearance:		
Form:	Solid	
Colour:	Cinnamon	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available	
Change in condition		
Melting point/Melting range:	Data not available.	
Boiling point/Boiling range:	Data not available	
Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available,	
Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available,	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Data not available.	
Upper:	Data not available.	
Oxidising properties	Data not available	
Oxidising properties Vapour pressure:	Data not available Date not available.	_

Item Numbers: 22648-1009, 22648-1019 Page 42 of 176

Page 5/7

(Contd. on page 6)

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

		(Contd. of page 4
Density:	Data not available.	
Relative density	Data not available.	
Vapour density	Date not available.	
Evaporation rate	Data not available	
Solubility in / Miscibility with		
water:	Data not available	
Partition coefficient (n-octano	l/water): Data not available.	
· Viscosity:		
Dynamic:	Data not available	
Kinematic:	Data not available	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- «10.1 Reactivity No decomposition if used according to specification.
- 10.2 Chemical stability Stable under recommended storage conditions.
- *10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

• Germ cell mutagenicity: Based on available data, the classification criteria are not met. • Carcinogenicity: Based on available data, the classification criteria are not met.

SECTION 11: Toxicological information all.1 Information on toxicological effects Acute toxicity Based on available data, the classification criteria are not met. · LD/LC50 values relevant for classification: 13463-67-7 titanium dioxide LD50 >20000 mg/kg (rat) Dermal LD50 >10000 mg/kg (rabbit) Inhalative LC50/4 h >6,82 mg/l (rat) 9004-32-4 Carboxymethylcellulose Sodium Oral LD50 > 27000 mg/kg (mouse) 27000 mg/kg (rat) > 27000 mg/kg (rabbit) Dermal LD50 >2000 mg/kg (rabbit) 557-05-1 zinc distearate Oral LD50 > 10000 mg/kg (mouse) > 10000 mg/kg (rat) 2512-29-0 2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide >10000 mg/kg (rat) Oral LD50 Dermal>2000 mg/kg (rat) Skin corrosion/irritation: Based on available data, the classification criteria are not met. Serious eye damage/irritation: Based on available data, the classification criteria are not met. Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Item Numbers: 22648-1009, 22648-1019 Page 43 of 176

Page 6/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 5)

Trade name:

- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- =12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- •12.3 Bioaccumulative potential No further relevant information available.
- «12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- . **PBT:** Not applicable.
- vPvB: Not applicable.
- *12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- «General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- *Recommendation Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.2 UN proper shipping name	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.3 Transport hazard class(es)	
ADR,RID,ADN, IMDG, IATA	
Class	Not applicable
14.4 Packing group	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex 1	TI of
Marpol and the IBC Code	Not applicable.

Item Numbers: 22648-1009, 22648-1019 Page 44 of 176

Page 7/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 6) UN "Model Regulation": SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture MAK (German Maximum Workplace Concerntration) 13463-67-7 titanium dioxide 3A Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. **REACH Regulation Annex XVII Restriction** See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorization List None of the ingredients is listed. · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out. SECTION 16: Other information The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830. DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. Abbreviations and acronyms: ADDREVIATIONS AND ACTORYMS:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative End of document

Page 1/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- ≈1.1 Product identifier
- Trade name: Color lead (White) for Zensations MP
- «1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.

Classification system:

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable
- Hazard pictograms Not applicable
- · Signal word Not applicable
- · Hazard-determining components of labelling: Not applicable
- · Hazard statements Not applicable
- · Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- * PBT: Not applicable
- vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- Description:

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to section 16.

· Comp	osition:
CAS:	1332-58-

Kaolin 48.0% EC number: 310-194-1 substance with a Community workplace exposure limit CAS: 557-04-0 magnesium distearate, pure 31.0% EINECS: 209-150-3

(Contd. on page 2)

Page 2/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade I	name
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	(Contd.	of page 1
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes, microcryst.	7,0%
CAS: 9004-32-4	Carboxymethylcellulose Sodium	6,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	3,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	3,0%
CAS: 9000-01-5 EINECS: 232-519-5	Gum arabic ♦ Eye Irrit. 2, H319	2,0%

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

(Contd. on page 3)

- ÉU

Page 3/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 2)

Trade name:

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- -7.2 Conditions for safe storage, including any incompatibilities:
- * Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- *7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

1332-58-7 Kaolin (48,0%)

WEL (Great Britain) Long-term value: 2 mg/m³

13463-67-7 titanium dioxide (3,0%)

AGW (Germany) Long-term value: 1,25* 10** mg/m³

2(II);*alveolengängig**einatembar; AGS, DFG

VME (France) Long-term value: 10 mg/m³
WEL (Great Britain) Long-term value: 10*4** mg/m³

*total inhalable **respirable

557-05-1 zinc distearate (3,0%)

VME (France)

WEL (Great Britain)

Long-term value: 10 mg/m³

Short-term value: 20* mg/m³

Long-term value: 10* 4** mg/m³

*inhalable dust **respirable dust

- · DNELs: Data not available
- PNECs: Data not available
- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- · Based on composition shown in Section 3, the following messures are suggested for occupational safety measure:
- *Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment:
- *Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



(Contd. on page 4)

- 1FU

Page 4/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 3)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/
the chemical mixture

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

*Eye protection:



Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and cl		
9.1 Information on basic physical a	ınd chemical properties	
Appearance:		
Form:	Solid	
Colour:	Snowy white	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available	
Change in condition		
Melting point/Melting range:	Data not available.	
Boiling point/Boiling range:	Data not available	
Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available.	
Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Data not available.	
Upper:	Data not available.	
Oxidising properties	Data not available	
Vapour pressure:	Date not available.	
Density:	Data not available.	
Relative density	Data not available.	
Vapour density	Date not available.	

(Contd. on page 5)

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Item Numbers: 22648-1009, 22648-1019 Page 49 of 176

Page 5/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name: (Contd. of page 4) Solubility in / Miscibility with Data not available water: Partition coefficient (n-octanol/water): Data not available Viscosity: Dvnamic: Data not available Kinematic: Data not available 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- 410.1 Reactivity No decomposition if used according to specification.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.

13463-67	7 titanium	dioxide
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)
9004-32-4	Carboxyn	nethylcellulose Sodium
Oral	LD50	> 27000 mg/kg (mouse)
		27000 mg/kg (rat)
		> 27000 mg/kg (rabbit)
Dermal	LD50	>2000 mg/kg (rabbit)
557-05-1	zinc distear	rate
Oral	LD50	> 10000 mg/kg (mouse)
		> 10000 mg/kg (rat)

- · Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met. STOT-single exposure: Based on available data, the classification criteria are not met.
- *STOT-repeated exposure: Based on available data, the classification criteria are not met.

*Aspiration hazard: Based on available data, the classification criteria are not met.

(Contd. on page 6)

Page 50 of 176 Item Numbers: 22648-1009, 22648-1019

Page 6/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 5)

SECTION 12: Ecological information

- 12.1 Toxicit
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class I (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 3.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.2 UN proper shipping name	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.3 Transport hazard class(es)	
ADR,RID,ADN, IMDG, IATA	
Class	Not applicable
14.4 Packing group	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex 1	II of
Marpol and the IBC Code	Not applicable.
14.8 Transport/Additional information:	Not dangerous according to the above specifications.

(Contd. on page 7)

Item Numbers: 22648-1009, 22648-1019 Page 51 of 176

Page 7/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 6)

SECTION 15: Regulatory information · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture · MAK (German Maximum Workplace Concerntration) 13463-67-7 titanium dioxide 3A Directive 2012/18/EU *Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. **REACH Regulation Annex XVII Restriction** See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorization List None of the ingredients is listed.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- Relevant hazard statements
- H319 Causes serious eye irritation.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Eye Irrit. 2: Serious eye damage/eye irritation — Category 2 非常學事業學事業學事業學事業學事業學事業學事業學事業學事業學事業學事業學事業學事業

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Page 1/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- -1.1 Product identifier
- Trade name: Color lead (Yellow Ochre Lt.)
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN Phone:+81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
 The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

- · 2.2 Label elements
- *Labelling according to Regulation (EC) No 1272/2008 Not applicable
- ·Hazard pictograms Not applicable
- Signal word Not applicable
- Hazard-determining components of labelling: Not applicable
- Hazard statements Not applicable
- Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable
- vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions,

CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	48,0%
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	31,1%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	7,0%

Page 53 of 176 Item Numbers: 22648-1009, 22648-1019

Page 2/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

		(Contd. of page
CAS: 9004-32-4	Carboxymethylcellulose Sodium	6,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	3,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	3,0%
CAS: 1332-37-2 EINECS: 215-570-8	Iron oxide	1,2%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	0,7%

· Remark

All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide (CAS No.2512-29-0) Synonym: Pigment Yellow 1

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- ~5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

(Contd. on page 3)

- EU

Page 3/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 2)

- · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

-6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- · 7.3 Specific end use(s) No further relevant information available.

8.1 Control paramete	ers	
Ingredients with limi	it values that require monitoring at the workplace:	
1332-58-7 Kaolin (48	8,0%)	
WEL (Great Britain)	Long-term value: 2 mg/m³	
13463-67-7 titanium	dioxide (3,0%)	
AGW (Germany)	Long-term value: 1,25* 10** mg/m³ 2(II);*alveolengängig**einatembar; AGS, DFG	
VME (France)	Long-term value: 10 mg/m³	
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable	
557-05-1 zinc distear	rate (3,0%)	
/ME (France)	Long-term value: 10 mg/m³	
WEL (Great Britain)	Short-term value: 20* mg/m³ Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust	

- · DNELs: Data not available
- ** PNECs: Data not available
- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- · Based on composition shown in Section 3, the following messures are suggested for occupational safety measure:
- Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment:
- Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 4)

EU-

Page 4/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 3)

Trade name:

Protection of hands:



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	and chemical properties	
Appearance:	1 1	
Form:	Solid	
Colour:	Mustard Yellow	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available	
Change in condition		
Melting point/Melting range:	Data not available.	
Boiling point/Boiling range:	Data not available	
Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available.	
Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Data not available:	
Upper:	Data not available.	
Oxidising properties	Data not available	
Vapour pressure:	Date not available.	

Item Numbers: 22648-1009, 22648-1019 Page 56 of 176

Page 5/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

		(Contd. of page
Density:	Data not available.	
Relative density	Data not available.	
Vapour density	Date not available.	
· Evaporation rate	Data not available	
Solubility in / Miscibility with		
water:	Data not available	
Partition coefficient (n-octano	l/water): Data not available.	
Viscosity:		
Dynamic:	Data not available	
Kinematic:	Data not available	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- -10.1 Reactivity No decomposition if used according to specification.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- . 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- *11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50	values rele	vant for classification:	
13463-67-	7 titanium	dioxide	
Oral	LD50	>20000 mg/kg (rat)	
Dermal	LD50	>10000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>6,82 mg/l (rat)	
9004-32-4	Carboxym	nethylcellulose Sodium	
Oral	LD50	> 27000 mg/kg (mouse)	
		27000 mg/kg (rat)	
		> 27000 mg/kg (rabbit)	
Dermal	LD50	>2000 mg/kg (rabbit)	
557-05-1 z	inc distear	rate	
Oral	LD50	> 10000 mg/kg (mouse)	
		> 10000 mg/kg (rat)	
2512-29-0	2-[(4-meth	hyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	
Oral	LD50	>10000 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rat)	

- · Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.

(Contd. on page 6)

EU-

Page 6/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 5)

Trade name:

- * Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- · Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- *Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- *12.3 Bioaccumulative potential No further relevant information available.
- *12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- -13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- * Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.2 UN proper shipping name	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.3 Transport hazard class(es)	
ADR,RID,ADN, IMDG, IATA	
Class	Not applicable
14.4 Packing group	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex i	II of
Marpol and the IBC Code	Not applicable.

(Contd. on page 7)

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Page 7/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 6) UN "Model Regulation"; SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture · MAK (German Maximum Workplace Concerntration) 13463-67-7 titanium dioxide 3A Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations · SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. REACH Regulation Annex XVII Restriction See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorization List None of the ingredients is listed. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out. SECTION 16: Other information *********************** The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830. DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. ·Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals GHS: Coronary Harmonisses System to Lassylvanion and Labering of Chemical EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative End of document

Item Numbers: 22648-1009, 22648-1019 Page 59 of 176

Page 1/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Yellow) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture: Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBR.4 CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

- Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- Hazard pictograms Not applicable.
- Signal word Not applicable.
- Hazard-determining components of labelling: Not applicable. Hazard statements Not applicable.
- Precautionary statements Not applicable.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

CAS: 1319-41-1 EINECS: 215-289-0	Saponite	30,0%
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	30,0%
CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	11,0%

Page 60 of 176 Item Numbers: 22648-1009, 22648-1019

Page 2/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Trade name:

Revision 16.06.2021

CAS: 1332-58-7	Kaolin	(Contd. of page 10,0%
EC number: 310-194-1	substance with a Community workplace exposure limit	
CAS: 13463-67-7	titanium dioxide	6,0%
EINECS: 236-675-5	substance with a Community workplace exposure limit	
CAS: 63231-60-7	Paraffin waxes and Hydrocarbon waxes,microcryst.	6,0%
EINECS: 264-038-1		
CAS: 2512-29-0	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	5,0%
EINECS: 219-730-8		
CAS: 557-05-1	zinc distearate, pure	1,5%
EINECS: 209-151-9	substance with a Community workplace exposure limit	
CAS: 147-14-8	29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	0,5%
EINECS: 205-685-1		

Remark: All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Seek immediate medical advice.

Never give anything by mouth to an unconscious person.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
 No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- ·Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- -5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

 $Use\ respiratory\ protective\ device\ against\ the\ effects\ of\ fumes/dust/aerosol.$

Avoid contact with eyes.

Avoid contact with skin.

6.2 Environmental precautions: Do not allow to enter sewers/surface or ground water,

(Contd. on page 3)

ÉU -

Page 3/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 2)

Trade name:

-6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- +7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

- · Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- *7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

1332-58-7 Kaolin (10,0%)

WEL (Great Britain) Long-term value: 2 mg/m³

13463-67-7 titanium dioxide (6,0%)

AGW (Germany) Long-term value: 1,25* 10** mg/m³

2(II); *alveolengängig **einatembar; AGS, DFG

WEL (Great Britain) Long-term value: 10* 4** mg/m³ *total inhalable **respirable

VME (France) Long-term value: 10 mg/m³

557-05-1 zinc distearate, pure (1,5%)

WEL (Great Britain) Short-term value: 20* mg/m³

Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

*inhalable dust **respirable dust

VME (France)

Long-term value: 10 mg/m³

· DNELs: Not applicable.

- PNECs: Not applicable.
- Additional information: The lists valid during the making were used as basis.
- . 8.2 Exposure controls
- · Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure
- · Appropriate engineering controls See Section 7 for information about design of technical facilities.

(Contd. on page 4)

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Page 4/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 3)

Trade name:

- *Personal protective equipment
- Respiratory protection: Suitable respiratory protective device recommended,
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

- Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	and chemical properties	
General Information Appearance:		
Form:	Solid	
Colour:	Yellow	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available.	
Change in condition:		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
Boiling point/Boiling range:	Data not available.	
Flash point:	Data not available,	
Flammability (solid, gaseous):	Data not available.	
Auto-ignition temperature:	Data not available.	
Decomposition temperature:	Data not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits		
Lower:	Data not available.	
Upper:	Data not available.	

Item Numbers: 22648-1009, 22648-1019 Page 63 of 176

Page 5/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

		(Contd. of page
Oxidizing properties:	Data not available	(contain or page
Oxidizing properties:	Data not available.	
Vapour pressure:	Data not available.	
Density:	Data not available.	
Relative density:	Data not available.	
Vapour density:	Data not available.	
Evaporation rate:	Data not available.	
Solubility in / Miscibility with		
water:	Data not available.	
Partition coefficient (n-octano	l/water): Data not available.	
Viscosity:		
Dynamic:	Data not available.	
Kinematic:	Data not available.	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- •10.1 Reactivity No decomposition if used according to specifications.
- •10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- •10.4 Conditions to avoid No further relevant information available.
- *10.5 Incompatible materials: No further relevant information available.
- +10.6 Hazardous decomposition products: No dangerous decomposition products known.

11.1 Infor Acute toxi		toxicological effects	
		vant for classification:	
13463-67-	7 titanium	dioxide	
Oral	LD50	>20000 mg/kg (rat)	
Dermal	LD50	>10000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>6,82 mg/l (rat)	
63231-60-	7 Paraffin	waxes and Hydrocarbon waxes,microcryst.	
Oral	LD50	>5000 mg/kg (rat)	
Dermal	LD50	>3600 mg/kg (rabbit)	
9004-32-4	carboxym	ethyl cellulose, sodium salt	
Oral	LD50	27000 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rabbit)	
557-04-0 i	nagnesiun	distearate, pure	
Oral	LD50	>2000 mg/kg (rat)	
557-05-1 z	inc distear	rate, pure	
Oral	LD50	>10000 mg/kg (mouse)	
		>10000 mg/kg (rat)	
147-14-8 2	9Н,31Н-р	hthalocyaninato(2-)-N29,N30,N31,N32 copper	
Oral	LD50	>2000 mg/kg (rat)	
		0 0 . ,	(Contd. on p

Item Numbers: 22648-1009, 22648-1019 Page 64 of 176

Page 6/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 5)

Trade name:

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity

Based on available data, the classification criteria are not met.

- Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicit
- * Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- ∘vPvB: Not applicable.
- *12.6 Other adverse effects No further relevant information available.
- *12.7 Additional ecological information:
- · General notes.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- -13.1 Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.2 UN proper shipping name		
ADR,RID,ADN, IMDG, IATA	Not applicable,	
14.3 Transport hazard class(es)		
ADR,RID,ADN, IMDG, IATA		
Class	Not applicable.	
14.4 Packing group		
ADR,RID,ADN, IMDG, IATA	Not applicable	

(Contd. on page 7)

Page 7/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 6) 14.6 Special precautions for user Not applicable 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable, UN "Model Regulation"; SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture MAK(German Maximum Workplace Concentration) 13463-67-7 titanium dioxide 3A Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. **REACH Regulation Annex XVII Restriction** See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorisation List None of the ingredients is listed. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

End of document

Page 1/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Black) for Zensations MP
- *1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture: Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
- ZEBRA CO., LTD.
- 2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193 Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- · Hazard pictograms Not applicable.
- Signal word Not applicable.
- · Hazard-determining components of labelling: Not applicable.
- Hazard statements Not applicable
- Precautionary statements Not applicable.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- · PBT: Not applicable.
- •vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- Description: Mixture of the substances listed below with nonhazardous additions.

Composition:		
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	28,09
CAS: 1319-41-1 EINECS: 215-289-0	Saponite	23,0%
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	18,09
		(Contd. on page

Page 67 of 176 Item Numbers: 22648-1009, 22648-1019

Page 2/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

		ontd. of page
CAS: 1333-86-4 EINECS: 215-609-9	carbon black substance with a Community workplace exposure limit	12,0%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	8,0%
CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	7,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	2,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	2,0%

......

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- *After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

(Contd. on page 3)

— EU

Page 3/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 2)

Trade name:

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment,

See Section 13 for disposal information.

SECTION 7: Handling and storage

-7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- * 7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- ~7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

-8.1 Control parameters

1332-58-7 Kaolin (18	it values that require monitoring at the workplace:	
· · · · · · · · · · · · · · · · · · ·	Long-term value: 2 mg/m³	
1333-86-4 carbon blo	0	
WEL (Great Britain)	Short-term value: 7 mg/m³ Long-term value: 3,5 mg/m³	
VME (France)	Long-term value: 3,5 mg/m³	
13463-67-7 titanium	dioxide (2,0%)	
AGW (Germany)	Long-term value: 1,25* 10** mg/m³ 2(II);*alveolengängig**einatembar; AGS, DFG	
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable	
VME (France)	Long-term value: 10 mg/m ³	
557-05-1 zinc distear	ate, pure (2,0%)	
WEL (Great Britain)	Short-term value: 20* mg/m³	
ĺ	Long-term value: 10* 4** mg/m³	
	*inhalable dust **respirable dust	
VME (France)	Long-term value: 10 mg/m ³	

- · DNELs: Not applicable.
- · PNECs: Not applicable.
- * Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- · Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure

(Contd. on page 4)

EU

Page 4/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

(Contd. of page 3)

- Appropriate engineering controls See Section 7 for information about design of technical facilities.
- Personal protective equipment
- * Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation,

9.1 Information on basic physical	and chemical properties	
General Information		
Appearance: Form:	Solid	
Colour:	Black	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available.	
Change in condition:		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
Boiling point/Boiling range:	Data not available.	
Flash point:	Data not available.	
Flammability (solid, gaseous):	Data not available.	
Auto-ignition temperature:	Data not available.	
Decomposition temperature:	Data not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	

Item Numbers: 22648-1009, 22648-1019 Page 70 of 176

Page 5/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 4) Upper: Data not available, Oxidizing properties: Data not available. Vapour pressure: Data not available. Density: Data not available. Relative density: Data not available. Vapour density: Data not available. Evaporation rate: Data not available. Solubility in / Miscibility with Data not available. water: Partition coefficient (n-octanol/water): Data not available. Viscosity: Dynamic: Data not available. Kinematic: Data not available. 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No decomposition if used according to specifications.
- * 10.2 Chemical stability Stable under recommended storage conditions.
- "10.3 Possibility of hazardous reactions No dangerous reactions known.
- *10.4 Conditions to avoid No further relevant information available.
- *10.5 Incompatible materials: No further relevant information available.
- *10.6 Hazardous decomposition products: No dangerous decomposition products known.

11.1 Infor		toxicological effects	
LD/LC50	values rele	vant for classification:	
13463-67-	7 titanium	dioxide	
Oral	LD50	>20000 mg/kg (rat)	
Dermal	LD50	>10000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>6,82 mg/l (rat)	
63231-60-	7 Paraffin	waxes and Hydrocarbon waxes,microcryst.	
Oral	LD50	>5000 mg/kg (rat)	
Dermal	LD50	>3600 mg/kg (rabbit)	
9004-32-4	carboxym	ethyl cellulose, sodium salt	
Oral	LD50	27000 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rabbit)	
557-04-0 n	nagnesiun	distearate, pure	
Oral	LD50	>2000 mg/kg (rat)	
557-05-1 z	inc distear	rate, pure	
Oral	LD50	>10000 mg/kg (mouse)	
		>10000 mg/kg (rat)	

Item Numbers: 22648-1009, 22648-1019 Page 71 of 176

Page 6/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 5)

Trade name:

1333-86-4 carbon black >8000 mg/kg (rat) Oral LD50 LD50 >3000 mg/kg (rabbit)

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity
- Based on available data, the classification criteria are not met.
- Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met. STOT-single exposure

- Based on available data, the classification criteria are not met.
- STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- Aspiration hazard
- Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- -12.1 Toxicity
- *Aquatic toxicity: No further relevant information available.
- * 12.2 Persistence and degradability No further relevant information available.
- * 12.3 Bioaccumulative potential No further relevant information available.
- •12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- · vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packaging
- · Recommendation: Disposal must be made according to official regulations.

-14.1 UN-Number		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.2 UN proper shipping name		
· ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.3 Transport hazard class(es)		
ADR,RID,ADN, IMDG, IATA		
Class	Not applicable.	
· 14.4 Packing group	**	
ADR.RID.ADN. IMDG. IATA	Not applicable	

Page 72 of 176

(Contd. on page 7)

Page 7/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 6) 14.5 Environmental hazards Marine pollutant: Not applicable. 14.6 Special precautions for user 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. UN "Model Regulation": SECTION 15: Regulatory information · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture - MAK(German Maximum Workplace Concentration) 3B 1333-86-4 carbon black 13463-67-7 titanium dioxide 3A Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. REACH Regulation Annex XVII Restriction See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorisation List None of the ingredients is listed.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

INTA: International AIT ITAINSPOT ISSIGNATION
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

(Contd. on page 8)

Page 8/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008



Item Numbers: 22648-1009, 22648-1019 Page 74 of 176

Page 1/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Blue) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
- The product is not classified according to the CLP regulation.
- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:
- The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable
- Hazard pictograms Not applicable
- Signal word Not applicable
- * Hazard-determining components of labelling: Not applicable
- · Hazard statements Not applicable
- * Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
 PBT: Not applicable
- vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- Description: Mixture of the substances listed below with nonhazardous additions.

CAS: 1332-58-7 EC number: 310-194-	Kaolin l substance with a Community workplace exposure limit	41,0%
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	26,0%
CAS: 1332-37-2 EINECS: 215-570-8	Iron oxide	13,64%

Page 2/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade	name:
1 raae	name:

CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	7,0%
CAS: 9004-32-4	Carboxymethylcellulose Sodium	6,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	3,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	3,0%
CAS: 6410-26-0 EINECS: 229-096-4	4-[(2-chlorophenyl)azo]-3-hydroxy-N-phenylnaphthalene-2-carboxamide	0,15%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	0,15%
CAS: 1333-86-4 EINECS: 215-609-9	Carbon black substance with a Community workplace exposure limit	0,06%

· Remark:

All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide (CAS No.2512-29-0) Synonym: Pigment Yellow 1

- SECTION 4: First aid measures
 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- *4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

 \cdot 6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation.

Avoid formation of dust.

(Contd. on page 3)

- Eu

Page 3/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 2)

Trade name:

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

- · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- · Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

Ingredients with lim	it values that require monitoring at the workplace:
1332-58-7 Kaolin (4	
WEL (Great Britain)	Long-term value: 2 mg/m³
557-05-1 zinc distear	rate (3,0%)
VME (France)	Long-term value: 10 mg/m ³
WEL (Great Britain)	Short-term value: 20* mg/m³
	Long-term value: 10* 4** mg/m³
	*inhalable dust **respirable dust
13463-67-7 titanium	dioxide (3,0%)
AGW (Germany)	Long-term value: 1,25* 10** mg/m ³
	2(II); *alveolengängig **einatembar; AGS, DFG
VME (France)	Long-term value: 10 mg/m³
WEL (Great Britain)	Long-term value: 10* 4** mg/m³
ĺ	*total inhalable **respirable
1333-86-4 Carbon bi	lack (0,06%)
VME (France)	Long-term value: 3,5 mg/m³
WEL (Great Britain)	Short-term value: 7 mg/m³
1	Long-term value: 3.5 mg/m ³

- · DNELs: Data not available
- PNECs: Data not available
- Additional information: The lists valid during the making were used as basis.

(Contd. on page 4)

- EU

Page 4/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 3)

Trade name:

-8.2 Exposure controls

- Based on composition shown in Section 3, the following messures are suggested for occupational safety measure:
- * Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment:
- Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/

the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	and chemical properties	
· Appearance:		
Form:	Solid	
Colour:	Ocean Blue	
· Odour:	Odourless	
Odour threshold:	Data not available.	
· pH-value:	Data not available	
Change in condition		
Melting point/Melting range:	Data not available	
Boiling point/Boiling range:	Data not available	
· Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available.	
- Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available.	
Self-igniting:	Product is not selfigniting.	

Page 78 of 176 Item Numbers: 22648-1009, 22648-1019

Page 5/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 4) · Explosive properties: Product does not present an explosion hazard. Explosion limits: Lower: Data not available. Upper: Data not available. Data not available Oxidising properties Vapour pressure: Date not available. Density: Data not available. Relative density Data not available. Vapour density Date not available. Evaporation rate Data not available Solubility in / Miscibility with Data not available · Partition coefficient (n-octanol/water): Data not available. · Viscosity: Dynamic: Data not available Kinematic: Data not available 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No decomposition if used according to specification.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- -10.6 Hazardous decomposition products: No dangerous decomposition products known.

Acute tox		toxicological effects on available data, the classification criteria are not met.
LD/LC50	values rele	vant for classification:
13463-67	-7 titanium	dioxide
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)
9004-32-4	Carboxyn	nethylcellulose Sodium
Oral	LD50	> 27000 mg/kg (mouse)
		27000 mg/kg (rat)
		> 27000 mg/kg (rabbit)
Dermal	LD50	>2000 mg/kg (rabbit)
557-05-1	zinc distear	rate
Oral	LD50	> 10000 mg/kg (mouse)
		> 10000 mg/kg (rat)

Item Numbers: 22648-1009, 22648-1019 Page 79 of 176

Page 6/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

		(Contd. of page 5)
1333-86-4	Carbon b	lack
Oral	LD50	15400 mg/kg (rat)
Dermal	LD50	3000 mg/kg (rabbit)
2512-29-0	2-[(4-met	hyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide
Oral	LD50	>10000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- * Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- = 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- *14.1 UN-Number
- ADR,RID,ADN, IMDG, IATA Not applicable
- 14.2 UN proper shipping name
- ADR,RID,ADN, IMDG, IATA

Not applicable

(Contd. on page 7)

Page 7/8

3A

3B

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 6) 14.3 Transport hazard class(es) ADR,RID,ADN, IMDG, IATA Not applicable 14.4 Packing group ADR, RID, ADN, IMDG, IATA Not applicable 14.5 Environmental hazards Not applicable. • 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of Not applicable. Marpol and the IBC Code · 14.8 Transport/Additional information: Not dangerous according to the above specifications. UN "Model Regulation":

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- MAK (German Maximum Workplace Concerntration)

 13463-67-7 titanium dioxide

 1333-86-4 Carbon black
- Directive 2012/18/EU
- Named dangerous substances ANNEX I None of the ingredients is listed.
- National regulations:
- * Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Other regulations, limitations and prohibitive regulations
- SVHC Candidate List of REACH Regulation Annex XIV Authorisation

None of the ingredients is listed.

- REACH Regulation Annex XVII Restriction
- See Section 16 for information about restriction of use.

None of the ingredients is listed.

REACH Regulation Annex XIV Authorization List

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

(Contd. on page 8)

Page 8/8

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 7)

Abbreviations and acronyms:

**Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

End of document

Page 82 of 176 Item Numbers: 22648-1009, 22648-1019

Page 1/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- ≈ 1.1 Product identifier
- Trade name: Color lead (Blush Pink) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193 Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

 The product is not classified according to the CLP regulation.
- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:
- The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.
- 2.2 Label elements
- *Labelling according to Regulation (EC) No 1272/2008 Not applicable
- Hazard pictograms Not applicable
- Signal word Not applicable
- · Hazard-determining components of labelling: Not applicable · Hazard statements Not applicable
- *Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- · **PBT:** Not applicable
- vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description:

Mixture of the substances listed below with nonhazardous additions.

Composition:		
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	38,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	26,0%

Page 83 of 176 Item Numbers: 22648-1009, 22648-1019

Page 2/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

	(Contd.	of page 1
CAS: 9004-32-4	Carboxymethylcellulose Sodium	10,0%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	9,0%
CAS: 6410-26-0 EINECS: 229-096-4	4-[(2-chlorophenyl)azo]-3-hydroxy-N-phenylnaphthalene-2-carboxamide	7,0%
CAS: 9000-01-5 EINECS: 232-519-5	Gum arabic • Eye Irrit. 2, H319	5,0%
CAS: 15793-73-4 EINECS: 239-898-6	4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-(p-tolyl)-3H-pyrazol-3-one]	3,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	2,0%

Remark

4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-(p-tolyl)-3H-pyrazol-3-one] (CAS No.15793-73-4)

Synonym: Pigment Orange 34

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- -After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- *After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- § 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

(Contd. on page 3)

Page 3/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 2)

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

-7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities:
 Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- *7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1	Control	parameters

Ingredients with limit	it values that require monitoring at the workplace:
1332-58-7 Kaolin (38	8,0%)
WEL (Great Britain)	Long-term value: 2 mg/m³
557-05-1 zinc distear	rate (26,0%)
VME (France)	Long-term value: 10 mg/m³
WEL (Great Britain)	Short-term value: 20* mg/m³ Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust
13463-67-7 titanium	dioxide (2,0%)
AGW (Germany)	Long-term value: 1,25* 10** mg/m³ 2(II);*alveolengängig**einatembar; AGS, DFG
VME (France)	Long-term value: 10 mg/m³
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable

- DNELs: Data not available
- PNECs: Data not available
- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- · Based on composition shown in Section 3, the following messures are suggested for occupational safety
- · Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment:
- Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 4)

Page 4/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 3)

Trade name:

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/
the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	and chemical properties	
Appearance:	A A	
Form:	Solid	
Colour:	Watermelon	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available	
Change in condition		
Melting point/Melting range:	Data not available.	
Boiling point/Boiling range:	Data not available	
Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available,	
Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Data not available.	
Upper:	Data not available.	
Oxidising properties	Data not available	
Vapour pressure:	Date not available.	

Item Numbers: 22648-1009, 22648-1019 Page 86 of 176

Page 5/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

		(Contd. of page
- Density:	Data not available.	
Relative density	Data not available.	
· Vapour density	Date not available.	
Evaporation rate	Data not available	
Solubility in / Miscibility with		
water:	Data not available	
Partition coefficient (n-octan	ol/water): Data not available.	
· Viscosity:		
Dynamic:	Data not available	
Kinematic:	Data not available	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- -10.1 Reactivity No decomposition if used according to specification.
- 10.2 Chemical stability Stable under recommended storage conditions.
- . 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- *11.1 Information on toxicological effects
- -Acute toxicity Based on available data, the classification criteria are not met.

13463-67-	/ mumum	uioxiue
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)
9004-32-4	Carboxyn	nethylcellulose Sodium
Oral	LD50	> 27000 mg/kg (mouse)
		27000 mg/kg (rat)
		> 27000 mg/kg (rabbit)
Dermal	LD50	>2000 mg/kg (rabbit)
557-05-1 z	inc distear	rate
Oral	LD50	> 10000 mg/kg (mouse)
		> 10000 mg/kg (rat)

- · Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- *Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- *STOT-repeated exposure: Based on available data, the classification criteria are not met.

(Contd. on page 6)

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Page 6/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

- Aspiration hazard: Based on available data, the classification criteria are not met.

(Contd. of page 5)

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- *vPvB: Not applicable.
- *12.6 Other adverse effects No further relevant information available.
- *12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- *13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- *Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.2 UN proper shipping name	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.3 Transport hazard class(es)	
ADR,RID,ADN, IMDG, IATA	
Class	Not applicable
14.4 Packing group	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II	of
Marpol and the IBC Code	Not applicable.
14.8 Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	2

(Contd. on page 7)

Item Numbers: 22648-1009, 22648-1019 Page 88 of 176

Page 7/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 6)

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- MAK (German Maximum Workplace Concerntration)

13463-67-7 titanium dioxide

3A

- Directive 2012/18/EU
- Named dangerous substances ANNEX I None of the ingredients is listed.
- National regulations:
- * Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water,
- Other regulations, limitations and prohibitive regulations
- SVHC Candidate List of REACH Regulation Annex XIV Authorisation

None of the ingredients is listed.

REACH Regulation Annex XVII Restriction

See Section 16 for information about restriction of use.

None of the ingredients is listed.

REACH Regulation Annex XIV Authorization List

None of the ingredients is listed.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Relevant hazard statements

H319 Causes serious eye irritation.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

End of document

Page 89 of 176 Item Numbers: 22648-1009, 22648-1019

Page 1/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- I.I Product identifier
- Trade name: Color lead (Bright Lilac) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture: Drawing
- 1.3 Details of the supplier of the safety data sheet
- -Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193 Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature

- 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- Hazard pictograms Not applicable.
 Signal word Not applicable.
- · Hazard-determining components of labelling: Not applicable.
- · Hazard statements Not applicable.
- Precautionary statements Not applicable.
- -2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

Composition:		
CAS: 1319-41-1 EINECS: 215-289-0	Saponite	29,09
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	28,09
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	18,0%
		(Contd. on page

Page 90 of 176 Item Numbers: 22648-1009, 22648-1019

Page 2/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade	name:
1 гаше	name:

CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	1. of page 8,0%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	7,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	4,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	3,0%
CAS: 6410-26-0 EINECS: 229-096-4	4-[(2-chlorophenyl)azo]-3-hydroxy-N-phenylnaphthalene-2-carboxamide	2,0%
CAS: 5281-04-9 EINECS: 226-109-5	calcium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate	1,0%

SECTION 4: First aid measures

- -4.1 Description of first aid measures
- -After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

- *4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- -4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

• 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

(Contd. on page 3)

Item Numbers: 22648-1009, 22648-1019 Page 91 of 176

Page 3/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

(Contd. of page 2)

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

 $See\ Section\ 13\ for\ disposal\ information.$

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

1332-58-7 Kaolin (18,0%)

WEL (Great Britain) Long-term value: 2 mg/m3

13463-67-7 titanium dioxide (4,0%)

AGW (Germany) Long-term value: 1,25* 10** mg/m³ 2(II); *alveolengängig**einatembar; AGS, DFG

WEL (Great Britain) Long-term value: 10* 4** mg/m³ *total inhalable **respirable

VME (France) Long-term value: 10 mg/m3

557-05-1 zinc distearate, pure (3,0%)

WEL (Great Britain) Short-term value: 20* mg/m3 Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

VME (France) Long-term value; 10 mg/m³ · DNELs: Not applicable.

- · PNECs: Not applicable.
- *Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- · Based on the composition shown in Section 3, the following measures are suggested for occupational safety
- · Appropriate engineering controls See Section 7 for information about design of technical facilities.

(Contd. on page 4)

Page 4/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

(Contd. of page 3)

- · Personal protective equipment
- Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

· Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical of General Information	and chemical properties	
Appearance:		
Form:	Solid	
Colour:	Purple	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available.	
Change in condition:		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
Boiling point/Boiling range:	Data not available.	
Flash point:	Data not available.	
Flammability (solid, gaseous):	Data not available.	
Auto-ignition temperature:	Data not available.	
Decomposition temperature:	Data not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits		
Lower:	Data not available.	
Upper:	Data not available.	

Item Numbers: 22648-1009, 22648-1019 Page 93 of 176

Page 5/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 4) · Oxidizing properties: Data not available. · Vapour pressure: Data not available. Density: Data not available. Relative density: Data not available. Vapour density: Data not available. Evaporation rate: Data not available. Solubility in / Miscibility with water: Data not available. · Partition coefficient (n-octanol/water): Data not available. · Viscosity: Dynamic: Data not available. Kinematic: Data not available.

No further relevant information available.

SECTION 10: Stability and reactivity

9.2 Other information

- *10.1 Reactivity No decomposition if used according to specifications.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- *10.4 Conditions to avoid No further relevant information available.
- •10.5 Incompatible materials: No further relevant information available.
- *10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information 11.1 Information on toxicological effects Acute toxicity LD/LC50 values relevant for classification:

13463-67-	7 titanium	dioxide
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)
63231-60-	7 Paraffin	waxes and Hydrocarbon waxes,microcryst.
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3600 mg/kg (rabbit)
9004-32-4	carboxym	ethyl cellulose, sodium salt
Oral	LD50	27000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
557-04-0	magnesiun	distearate, pure
Oral	LD50	>2000 mg/kg (rat)
557-05-1	inc distear	rate, pure
Oral	LD50	>10000 mg/kg (mouse)
		>10000 mg/kg (rat)

- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- *Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

(Contd. on page 6)

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Page 6/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 5)

Trade name:

- Germ cell mutagenicity
- Based on available data, the classification criteria are not met.
- -Carcinogenicity
- Based on available data, the classification criteria are not met.
- Reproductive toxicity
- Based on available data, the classification criteria are not met.
- · STOT-single exposure
- Based on available data, the classification criteria are not met.
- STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- *Aquatic toxicity: No further relevant information available.
- *12.2 Persistence and degradability No further relevant information available.
- -12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- -PBT: Not applicable.
- vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- *Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

· 14.1 UN-Number		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.2 UN proper shipping name		
· ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.3 Transport hazard class(es)		
ADR,RID,ADN, IMDG, IATA		
Class	Not applicable.	
· 14.4 Packing group		
- ADR,RID,ADN, IMDG, IATA	Not applicable.	
· 14.5 Environmental hazards		
· Marine pollutant:	No	
· 14.6 Special precautions for user	Not applicable.	
14.7 Transport in bulk according to Anne	x II of	
MARPOL73/78 and the IBC Code	Not applicable.	

Item Numbers: 22648-1009, 22648-1019 Page 95 of 176

Page 7/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 6) UN "Model Regulation": SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture MAK(German Maximum Workplace Concentration) 13463-67-7 titanium dioxide 3A Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. REACH Regulation Annex XVII Restriction See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorisation List None of the ingredients is listed. -15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out. SECTION 16: Other information The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830. DISCLAIMER OF LIABILITY: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) Curriage of Dungerous Goods by Nodar)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent End of document

Page 1/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Brown) for Zensations MP
- -1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- *2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
The product is not classified according to the CLP regulation.

Information concerning particular hazards for human and environment:

The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.

Classification system:

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable
- Hazard pictograms Not applicable
- Signal word Not applicable
- · Hazard-determining components of labelling: Not applicable · Hazard statements Not applicable
- *Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable
- -vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- *Description: Mixture of the substances listed below with nonhazardous additions.

CAS: 1332-58-7	Kaolin	44,0%
EC number: 310-194-	1 substance with a Community workplace exposure limit	
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	26,0%
CAS: 1332-37-2 EINECS: 215-570-8	Iron oxide	10,0%

Page 97 of 176

Page 2/7

Safety data sheet Regulation(EC) No. 1907/2006. 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade	name:
1 / uue	nume:

		(Contd. of page
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst,	7,0%
CAS: 9004-32-4	Carboxymethylcellulose Sodium	6,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	3,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	3,0%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	1,0%

· Remark:

All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide (CAS No.2512-29-0) Synonym: Pigment Yellow 1

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- *Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

(Contd. on page 3)

Page 3/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 2)

- * 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- -7.2 Conditions for safe storage, including any incompatibilities:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

-8.1 Control parameters

Ingredients with limi	it values that require monitoring at the workplace:
1332-58-7 Kaolin (4-	4,0%)
WEL (Great Britain)	Long-term value: 2 mg/m³
557-05-1 zinc distear	rate (3,0%)
VME (France)	Long-term value: 10 mg/m³
WEL (Great Britain)	Short-term value: 20* mg/m³ Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust
13463-67-7 titanium	dioxide (3,0%)
AGW (Germany)	Long-term value: 1,25* 10** mg/m³ 2(II);*alveolengängig**einatembar; AGS, DFG
VME (France)	Long-term value: 10 mg/m³
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable

- · DNELs: Data not available
- PNECs: Data not available
- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Based on composition shown in Section 3, the following messures are suggested for occupational safety measure:
- · Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment:
- Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 4)

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Page 4/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 3)

Trade name:

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/
the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

	nd chemical properties	
Appearance:		
Form:	Solid	
Colour:	Desert Sand	
· Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available	
Change in condition		
Melting point/Melting range:	Data not available	
Boiling point/Boiling range:	Data not available	
Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available.	
Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Data not available:	
Upper:	Data not available,	
Oxidising properties	Data not available	

Page 5/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name: (Contd. of page 4) Density: Data not available. Relative density Data not available. Vapour density Date not available. Evaporation rate Data not available Solubility in / Miscibility with Data not available · Partition coefficient (n-octanol/water): Data not available. Viscosity: Dynamic: Data not available Kinematic: Data not available 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- *10.1 Reactivity No decomposition if used according to specification.
- *10.2 Chemical stability Stable under recommended storage conditions.
- *10.3 Possibility of hazardous reactions No dangerous reactions known.
- * 10.4 Conditions to avoid No further relevant information available.
- * 10.5 Incompatible materials: No further relevant information available.
- * 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information 11.1 Information on toxicological effects Acute toxicity Based on available data, the classification criteria are not met. LD/LC50 values relevant for classification:

13463-67-	7 titanium	dioxide	
Oral	LD50	>20000 mg/kg (rat)	
Dermal	LD50	>10000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>6,82 mg/l (rat)	
9004-32-4	Carboxyn	nethylcellulose Sodium	
Oral	LD50	> 27000 mg/kg (mouse)	
		27000 mg/kg (rat)	
		> 27000 mg/kg (rabbit)	
Dermal	LD50	>2000 mg/kg (rabbit)	
557-05-1 z	inc distear	rate	
Oral	LD50	> 10000 mg/kg (mouse)	
		> 10000 mg/kg (rat)	
2512-29-0	2-[(4-meti	hyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	
Oral	LD50	>10000 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rat)	

- · Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- * Carcinogenicity: Based on available data, the classification criteria are not met.

(Contd. on page 6)

- EU

Page 6/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 5)

Trade name:

- **Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- * Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- *12.2 Persistence and degradability No further relevant information available.
- *12.3 Bioaccumulative potential No further relevant information available.
- *12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- * PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- * Recommendation: Disposal must be made according to official regulations.

· 14.1 UN-Number · ADR,RID,ADN, IMDG, IATA	Not applicable
· 14.2 UN proper shipping name · ADR,RID,ADN, IMDG, IATA	Not applicable
· 14.3 Transport hazard class(es)	
· ADR,RID,ADN, IMDG, IATA · Class	Not applicable
· 14.4 Packing group · ADR,RID,ADN, IMDG, IATA	Not applicable
· 14.5 Environmental hazards	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex Marpol and the IBC Code	II of Not applicable.
· 14.8 Transport/Additional information:	Not dangerous according to the above specifications.

Item Numbers: 22648-1009, 22648-1019 Page 102 of 176

Page 7/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 6) UN "Model Regulation": SECTION 15: Regulatory information · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture MAK (German Maximum Workplace Concerntration) 13463-67-7 titanium dioxide 3A Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: - Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. REACH Regulation Annex XVII Restriction See Section 16 for information about restriction of use. None of the ingredients is listed. **REACH Regulation Annex XIV Authorization List** None of the ingredients is listed. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out. SECTION 16: Other information The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830. DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent End of document

Item Numbers: 22648-1009, 22648-1019 Page 103 of 176

Page 1/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Dark Brown) for Zensations MP
- *1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture: Drawing
- 1.3 Details of the supplier of the safety data sheet
- -Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

- · Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- Hazard pictograms Not applicable.
- Signal word Not applicable.
- Hazard-determining components of labelling: Not applicable.
 Hazard statements Not applicable.
- Precautionary statements Not applicable.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.

· Composition:		
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	26,0%
CAS: 1319-41-1 EINECS: 215-289-0	Saponite	23,0%
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	18,0%
-		(Contd. on page 2)

Page 104 of 176 Item Numbers: 22648-1009, 22648-1019

Page 2/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

CAS: 1332-37-2 EINECS: 215-570-8	Iron oxide	13,64%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	7,0%
CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	6,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	3,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	3,0%
CAS: 6410-26-0 EINECS: 229-096-4	4-[(2-chlorophenyl)azo]-3-hydroxy-N-phenylnaphthalene-2-carboxamide	0,15%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	0,15%
CAS: 1333-86-4 EINECS: 215-609-9	carbon black substance with a Community workplace exposure limit	0,06%

• Remark: All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- *After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- -5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

(Contd. on page 3)

Page 105 of 176 Item Numbers: 22648-1009, 22648-1019

Page 3/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

Avoid contact with skin.

(Contd. of page 2)

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- * 6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- •7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 27.3 Specific end use(s) No further relevant information available.

8.1 Control paramete	ers	
Ingredients with limi	t values that require monitoring at the workplace:	
1332-58-7 Kaolin (18	3,0%)	
WEL (Great Britain)	Long-term value: 2 mg/m³	
13463-67-7 titanium	dioxide (3,0%)	
AGW (Germany)	Long-term value: 1,25* 10** mg/m³ 2(II);*alveolengängig**einatembar; AGS, DFG	
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable	
VME (France)	Long-term value: 10 mg/m³	
557-05-1 zinc distear	ate, pure (3,0%)	
WEL (Great Britain)	Short-term value: 20* mg/m³ Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust	
VME (France)	Long-term value: 10 mg/m³	
1333-86-4 carbon blo	ack (0,06%)	
WEL (Great Britain)	Short-term value: 7 mg/m³ Long-term value: 3,5 mg/m³	
VME (France)	Long-term value: 3,5 mg/m³	

Page 106 of 176 Item Numbers: 22648-1009, 22648-1019

Page 4/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 3)

Trade name:

- -PNECs: Not applicable.
- * Additional information: The lists valid during the making were used as basis.
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety
- Appropriate engineering controls See Section 7 for information about design of technical facilities.
- Personal protective equipment
- *Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a General Information Appearance:	and chemical properties	
Form:	Solid	
Colour:	Brown	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available.	
Change in condition:		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
Boiling point/Boiling range:	Data not available.	
Flash point:	Data not available.	
Flammability (solid, gaseous):	Data not available.	
Auto-ignition temperature:	Data not available.	

Page 5/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

	(Contd. of	page 4
Decomposition temperature:	Data not available.	
Self-igniting:	Product is not selfigniting,	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits		
Lower:	Data not available.	
Upper:	Data not available.	
Oxidizing properties:	Data not available.	
Vapour pressure:	Data not available.	
Density:	Data not available.	
Relative density:	Data not available.	
Vapour density:	Data not available.	
Evaporation rate:	Data not available.	
Solubility in / Miscibility with		
water:	Data not available.	
Partition coefficient (n-octanol/w	vater): Data not available.	
Viscosity:		
Dynamic:	Data not available.	
Kinematic:	Data not available.	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- : 10.1 Reactivity No decomposition if used according to specifications.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

11.1 Info		toxicological effects	
LD/LC50	values rele	vant for classification:	
13463-67	-7 titanium	dioxide	
Oral	LD50	>20000 mg/kg (rat)	
Dermal	LD50	>10000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>6,82 mg/l (rat)	
63231-60	-7 Paraffin	waxes and Hydrocarbon waxes,microcryst.	
Oral	LD50	>5000 mg/kg (rat)	
Dermal	LD50	>3600 mg/kg (rabbit)	
9004-32-4	4 carboxym	ethyl cellulose, sodium salt	
Oral	LD50	27000 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rabbit)	

Item Numbers: 22648-1009, 22648-1019 Page 108 of 176

Page 6/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

		(Contd. of pag
557-04-0) magnesiu	ım distearate, pure
Oral	LD50	>2000 mg/kg (rat)
557-05-1	zinc diste	arate, pure
Oral	LD50	>10000 mg/kg (mouse)
		>10000 mg/kg (rat)
1333-86-	4 carbon i	black
Oral	LD50	>8000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rabbit)
CL.		Burget an available data the classification evitaria are not met

- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity

Based on available data, the classification criteria are not met.

- -Carcinogenicity
- Based on available data, the classification criteria are not met.
- Reproductive toxicity

Based on available data, the classification criteria are not met.

- STOT-single exposure
- Based on available data, the classification criteria are not met.
- STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- *13.1 Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport informe	ution	
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.2 UN proper shipping name ADR,RID,ADN, IMDG, IATA	Not applicable.	

Item Numbers: 22648-1009, 22648-1019 Page 109 of 176

Page 7/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 6) · 14.3 Transport hazard class(es) -ADR,RID,ADN, IMDG, IATA Not applicable. 14.4 Packing group · ADR,RID,ADN, IMDG, IATA Not applicable. 14.5 Environmental hazards Marine pollutant: 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. UN "Model Regulation":

SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture MAK(German Maximum Workplace Concentration) 3A13463-67-7 titanium dioxide 3B 1333-86-4 carbon black Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. REACH Regulation Annex XVII Restriction See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorisation List None of the ingredients is listed.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

Page 110 of 176

Page 8/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name: (Contd. of page 7)

End of document

Page 111 of 176 Item Numbers: 22648-1009, 22648-1019

Page 1/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- =1.1 Product identifier
- Trade name: Color lead (Deep Fuchsia) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture Drawing
- «1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193 Fax: +81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 Not applicable
- Hazard pictograms Not applicable
- Signal word Not applicable
- · Hazard-determining components of labelling: Not applicable
- Hazard statements Not applicable
- · Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- **PBT:** Not applicable
- vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.

CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	47,0%
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	28,0%
CAS: 9004-32-4	Carboxymethylcellulose Sodium	8,0%

Item Numbers: 22648-1009, 22648-1019 Page 112 of 176

Page 2/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

		d, of page 1
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst,	7,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	4,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	3,0%
CAS: 6410-26-0 EINECS: 229-096-4	4-[(2-chlorophenyl)azo]-3-hydroxy-N-phenylnaphthalene-2-carboxamide	1,5%
CAS: 5281-04-9 EINECS: 226-109-5	calcium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate	1,5%

- Remark

All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

calcium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate (CAS No.5281-04-9) Synonym: C.I. Pigment Red 57:1

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

-After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- After swallowing:
- Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- · Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- * 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

(Contd. on page 3)

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Page 3/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 2)

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water,
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection
--

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

1332-58-7 Kaolin (47,0%)

WEL (Great Britain) Long-term value: 2 mg/m3

13463-67-7 titanium dioxide (4,0%)

Long-term value: 1,25* 10** mg/m3 AGW (Germany)

2(II);*alveolengängig**einatembar; AGS, DFG

VME (France) Long-term value: 10 mg/m³ WEL (Great Britain) Long-term value: 10* 4** mg/m3

*total inhalable **respirable

557-05-1 zinc distearate (3,0%)

VME (France) Long-term value: 10 mg/m³

WEL (Great Britain) Short-term value: 20* mg/m3

Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

- · DNELs: Data not available
- PNECs: Data not available
- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- · Based on composition shown in Section 3, the following messures are suggested for occupational safety
- · Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment:
- Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 4)

Page 4/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 3)

Trade name:

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

*Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical of	and chemical properties	
Appearance:	• •	
Form:	Solid	
Colour:	Raspberry Delite	
· Odour:	Odourless	
Odour threshold:	Data not available.	
· pH-value:	Data not available	
Change in condition		
Melting point/Melting range:	Data not available.	
Boiling point/Boiling range:	Data not available	
Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available.	
Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available.	
Self-igniting:	Product is not selfigniting,	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Data not available.	
Upper:	Data not available.	
Oxidising properties	Data not available	
· Vapour pressure:	Date not available.	

Item Numbers: 22648-1009, 22648-1019 Page 115 of 176

Page 5/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

		(Contd. of page
Density:	Data not available.	
Relative density	Data not available.	
Vapour density	Date not available.	
Evaporation rate	Data not available	
Solubility in / Miscibility with		
water:	Data not available	
Partition coefficient (n-octano	l/water): Data not available.	
Viscosity:		
Dynamic:	Data not available	
Kinematic:	Data not available	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No decomposition if used according to specification.
- · 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.

13463-67-	7 titanium	dioxide
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)
9004-32-4	Carboxym	nethylcellulose Sodium
Oral	LD50	> 27000 mg/kg (mouse)
		27000 mg/kg (rat)
		> 27000 mg/kg (rabbit)
Dermal	LD50	>2000 mg/kg (rabbit)
557-05-1 z	inc distear	rate
Oral	LD50	> 10000 mg/kg (mouse)
		> 10000 mg/kg (rat)

- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.

(Contd. on page 6)

Page 6/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

*Aspiration hazard: Based on available data, the classification criteria are not met.

(Contd. of page 5)

SECTION 12: Ecological information

- 12.1 Toxicity
- *Aquatic toxicity: No further relevant information available.
- *12.2 Persistence and degradability No further relevant information available.
- •12.3 Bioaccumulative potential No further relevant information available.
- *12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- *PBT: Not applicable.
- · vPvB: Not applicable.
- •12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- *Uncleaned packaging:
- * Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.2 UN proper shipping name	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.3 Transport hazard class(es)	
ADR,RID,ADN, IMDG, IATA	
Class	Not applicable
14.4 Packing group	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex	II of
Marpol and the IBC Code	Not applicable.
14.8 Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	

(Contd. on page 7)

Item Numbers: 22648-1009, 22648-1019 Page 117 of 176

Page 7/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 6)

3A

SECTION 15: Regulatory information

- \sim 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- MAK (German Maximum Workplace Concerntration)

13463-67-7 titanium dioxide

Directive 2012/18/EU

- Named dangerous substances ANNEX I None of the ingredients is listed.
- National regulations:
- *Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Other regulations, limitations and prohibitive regulations
- · SVHC Candidate List of REACH Regulation Annex XIV Authorisation

None of the ingredients is listed.

REACH Regulation Annex XVII Restriction

See Section 16 for information about restriction of use.

None of the ingredients is listed.

REACH Regulation Annex XIV Authorization List

None of the ingredients is listed.

*15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals

GHS: Consoning of Common Consoning of Common and Entering of Common Comm

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

End of document

Page 1/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Green) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- * Application of the substance / the mixture: Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN Phone:+81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- · Hazard pictograms Not applicable.
- Signal word Not applicable.
- · Hazard-determining components of labelling: Not applicable.
- Hazard statements Not applicable.
- Precautionary statements Not applicable.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- · PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

· Composition:		
CAS: 1319-41-1 EINECS: 215-289-0	Saponite	30,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	26,0%
CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	11,0%
		(Contd on page

Page 119 of 176 Item Numbers: 22648-1009, 22648-1019

Page 2/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

CAS: 1332-58-7	Kaolin	(Contd. of page 10,0%
EC number: 310-194-1	substance with a Community workplace exposure limit	
CAS: 1328-53-6 EINECS: 215-524-7	polychloro copper phthalocyanine	9,0%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	6,0%
CAS: 9000-01-5 EINECS: 232-519-5	gum arabic	4,0%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	2,5%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	1,5%

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
 No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- *Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- *5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- * Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

• 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

(Contd. on page 3)

– EU

Page 3/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 2)

Trade name:

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- *7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

- · Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- *7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- -8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

557-05-1 zinc distearate, pure (26,0%)

WEL (Great Britain) Short-term value: 20* mg/m³ Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

Long-term value: 10 mg/m³

VME (France) Long 1332-58-7 Kaolin (10,0%)

WEL (Great Britain) Long-term value: 2 mg/m3

13463-67-7 titanium dioxide (1,5%)

AGW (Germany) Long-term value: 1,25* 10** mg/m³

2(II); *alveolengängig **einatembar; AGS, DFG

WEL (Great Britain) Long-term value: 10* 4** mg/m³

*total inhalable **respirable

VME (France) Long-term value: 10 mg/m³

- · DNELs: Not applicable.
- PNECs: Not applicable.
- Additional information: The lists valid during the making were used as basis.
- -8.2 Exposure controls
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure
- Appropriate engineering controls See Section 7 for information about design of technical facilities.

(Contd. on page 4)

Page 121 of 176

Page 4/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 3)

Trade name:

- Personal protective equipment
- Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/

the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a General Information	and chemical properties	
Appearance:		
Form:	Solid	
Colour:	Green	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available.	
Change in condition:		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
Boiling point/Boiling range:	Data not available.	
Flash point:	Data not available.	
Flammability (solid, gaseous):	Data not available.	
Auto-ignition temperature:	Data not available	
Decomposition temperature:	Data not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits		
Lower:	Data not available.	
Upper:	Data not available.	

Item Numbers: 22648-1009, 22648-1019 Page 122 of 176

Page 5/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 4) Oxidizing properties: Data not available. Vapour pressure: Data not available. Data not available. Density: Relative density: Data not available. Vapour density: Data not available. · Evaporation rate: Data not available. Solubility in / Miscibility with Data not available. water: Partition coefficient (n-octanol/water): Data not available. · Viscosity: Data not available. Dynamic: Kinematic: Data not available.

No further relevant information available.

SECTION 10: Stability and reactivity

• 9.2 Other information

- 10.1 Reactivity No decomposition if used according to specifications.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

Acute toxi	city	toxicological effects	
		vant for classification:	
13463-67-	7 titanium	dioxide	
Oral	LD50	>20000 mg/kg (rat)	
Dermal	LD50	>10000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>6,82 mg/l (rat)	
63231-60-	7 Paraffin	waxes and Hydrocarbon waxes,microcryst.	
Oral	LD50	>5000 mg/kg (rat)	
Dermal	LD50	>3600 mg/kg (rabbit)	
9000-01-5	gum arab	ic	
Oral	LD50	>16000 mg/kg (mouse)	
		>16000 mg/kg (rat)	
		>8000 mg/kg (rabbit)	
9004-32-4	carboxym	ethyl cellulose, sodium salt	
Oral	LD50	27000 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rabbit)	
557-05-1 z	inc distear	rate, pure	
Oral	LD50	>10000 mg/kg (mouse)	
		>10000 mg/kg (rat)	

Item Numbers: 22648-1009, 22648-1019 Page 123 of 176

Page 6/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 5)

Trade name:

1328-53-6 polychloro copper phthalocyanine

Oral LD50 >5000 mg/kg (rat)

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity
- Based on available data, the classification criteria are not met.
- · Carcinogenicity
- Based on available data, the classification criteria are not met.
- Reproductive toxicity
- Based on available data, the classification criteria are not met.
- STOT-single exposure
- Based on available data, the classification criteria are not met.
- STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- Aspiration hazard
- Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- *Aquatic toxicity: No further relevant information available.
- *12.2 Persistence and degradability No further relevant information available.
- *12.3 Bioaccumulative potential No further relevant information available.
- *12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- *PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- *Recommendation: Smaller quantities can be disposed of with household waste.
- · Uncleaned packaging
- *Recommendation: Disposal must be made according to official regulations.

· 14.1 UN-Number		
· ADR,RID,ADN, IMDG, IATA	Not applicable	_
· 14.2 UN proper shipping name		
· ADR,RID,ADN, IMDG, IATA	Not applicable.	
· 14.3 Transport hazard class(es)		
ADR,RID,ADN, IMDG, IATA		
· Class	Not applicable.	
-14.4 Packing group		
ADR,RID,ADN, IMDG, IATA	Not applicable.	

Page 124 of 176

Page 7/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

rade name:		
	(Cont	d, of page
· 14.5 Environmental hazards · Marine pollutant:	No	
· 14.6 Special precautions for user	Not applicable,	
· 14.7 Transport in bulk according to A MARPOL73/78 and the IBC Code	nnex II of Not applicable.	
· UN "Model Regulation";	i e	
· MAK(German Maximum Workplace	Concentration)	
-15.1 Safety, health and environmental	regulations/legislation specific for the substance or mixture	e
MAK(German Maximum Workplace of 13463-67-7 titanium dioxide Direction 2012(18/EU)	Concentration)	34
13463-67-7 titanium dioxide Directive 2012/18/EU Named dangerous substances - ANNE National regulations: Waterhazard class: Water hazard class Other regulations, limitations and pro	EX I None of the ingredients is listed. s 1 (Self-assessment): slightly hazardous for water. hibitive regulations	3.
13463-67-7 titanium dioxide Directive 2012/18/EU Named dangerous substances - ANNE National regulations: Waterhazard class: Water hazard class Other regulations, limitations and pro SVHC Candidate List of REACH Reg	EX I None of the ingredients is listed. s 1 (Self-assessment): slightly hazardous for water. hibitive regulations	3.
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13463-67-7 titanium dioxide Directive 2012/18/EU Named dangerous substances - ANNE National regulations: Waterhazard class: Water hazard class: Other regulations, limitations and pro SVHC Candidate List of REACH Reg. None of the ingredients is listed. REACH Regulation Annex XVII Rest.	EX I None of the ingredients is listed. s 1 (Self-assessment): slightly hazardous for water. hibitive regulations ulation Annex XIV Authorisation riction	3.
13463-67-7 titanium dioxide Directive 2012/18/EU Named dangerous substances - ANNE National regulations: Waterhazard class: Water hazard class Other regulations, limitations and pro SVHC Candidate List of REACH Reg. None of the ingredients is listed. REACH Regulation Annex XVII Rest. See Section 16 for information about	EX I None of the ingredients is listed. s 1 (Self-assessment): slightly hazardous for water. hibitive regulations ulation Annex XIV Authorisation riction restriction of use.	3.
13463-67-7 titanium dioxide Directive 2012/18/EU Named dangerous substances - ANNE National regulations: Waterhazard class: Water hazard class: Other regulations, limitations and pro SVHC Candidate List of REACH Reg. None of the ingredients is listed. REACH Regulation Annex XVII Rest. See Section 16 for information about None of the ingredients is listed.	EX I None of the ingredients is listed. s 1 (Self-assessment): slightly hazardous for water. hibitive regulations ulation Annex XIV Authorisation riction restriction of use.	33

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IMDG: International Maritime Code for Dangetons Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DEVELOR DESIGNATION (FEACH, 1997)

DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

(Contd. on page 8)

Page 8/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Revision 16.06.2021
(Contd. of page 7)
- CI+

Item Numbers: 22648-1009, 22648-1019 Page 126 of 176

Page 1/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Ice Blue) for Zensations MP
- -1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture: Drawing
- · 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone : +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- · Hazard pictograms Not applicable.
- · Signal word Not applicable.
- · Hazard-determining components of labelling: Not applicable.
- · Hazard statements Not applicable.
- · Precautionary statements Not applicable.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.

CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	31,0%
CAS: 1319-41-1 EINECS: 215-289-0	Saponite	28,0%
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	18,0%

n page

Item Numbers: 22648-1009, 22648-1019 Page 127 of 176

Page 2/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Trade name:

Revision 16.06.2021

		(Contd. of page 1
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	8,0%
CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	6,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	5,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	3,0%
CAS: 147-14-8 EINECS: 205-685-1	29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	0,8%
CAS: 1328-53-6	polychloro copper phthalocyanine	0,2%

· Remark: All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

EINECS: 215-524-7

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**No further relevant information available.

SECTION 5: Firefighting measures

- •5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water,

(Contd. on page 3)

EU

Page 3/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 2)

Trade name:

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- *7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- ... 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

1332-58-7 Kaolin (18,0%)

WEL (Great Britain) Long-term value: 2 mg/m³

13463-67-7 titanium dioxide (5,0%)

AGW (Germany) Long-term value: 1,25* 10** mg/m3

2(II); *alveolengängig **einatembar; AGS, DFG

WEL (Great Britain) Long-term value: 10* 4** mg/m³ *total inhalable **respirable

VME (France) Long-term value: 10 mg/m³

557-05-1 zinc distearate, pure (3,0%)

WEL (Great Britain) Short-term value: 20* mg/m3

Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

VME (France) Long-term value: 10 mg/m3

- DNELs: Not applicable.
- PNECs: Not applicable.
- *Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety
- Appropriate engineering controls See Section 7 for information about design of technical facilities.

(Contd. on page 4)

Page 4/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

(Contd. of page 3)

- Personal protective equipment
- Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a General Information	and chemical properties	
· Appearance:		
Form:	Solid	
Colour:	Light blue	
· Odour:	Odourless	
· Odour threshold:	Data not available.	
pH-value:	Data not available.	
· Change in condition:		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
· Boiling point/Boiling range:	Data not available,	
· Flash point:	Data not available	
Flammability (solid, gaseous):	Data not available,	
· Auto-ignition temperature:	Data not available,	
Decomposition temperature:	Data not available,	
· Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits		
Lower:	Data not available.	
Upper:	Data not available.	

Page 130 of 176 Item Numbers: 22648-1009, 22648-1019

Page 5/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 4) Oxidizing properties: Data not available. Vapour pressure: Data not available. Data not available. Density: Relative density: Data not available. Vapour density: Data not available. Evaporation rate: Data not available. Solubility in / Miscibility with Data not available. water: Partition coefficient (n-octanol/water): Data not available. Viscosity: Data not available. Dynamic: Kinematic: Data not available. 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- •10.1 Reactivity No decomposition if used according to specifications.
- §10.2 Chemical stability Stable under recommended storage conditions.
- -10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

Acute toxi	city	toxicological effects	
LD/LC50	values rele	vant for classification:	
13463-67-	7 titanium	dioxide	
Oral	LD50	>20000 mg/kg (rat)	
Dermal	LD50	>10000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>6,82 mg/l (rat)	
63231-60-	7 Paraffin	waxes and Hydrocarbon waxes,microcryst.	
Oral	LD50	>5000 mg/kg (rat)	
Dermal	LD50	>3600 mg/kg (rabbit)	
9004-32-4	carboxym	ethyl cellulose, sodium salt	
Oral	LD50	27000 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rabbit)	
557-04-0 1	nagnesiun	distearate, pure	
Oral	LD50	>2000 mg/kg (rat)	
557-05-1 z	inc distear	rate, pure	
Oral	LD50	>10000 mg/kg (mouse)	
		>10000 mg/kg (rat)	
147-14-8 2	9Н,31Н-р	hthalocyaninato(2-)-N29,N30,N31,N32 copper	
Oral	LD50	>2000 mg/kg (rat)	

Item Numbers: 22648-1009, 22648-1019 Page 131 of 176

Page 6/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 5)

(Contd. on page 7)

Trade name:

1328-53-6 polychloro copper phthalocyanine

Oral LD50 >5000 mg/kg (rat)

- Skin corrosion/irritation Based on available data, the classification criteria are not met.

 Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity
- Based on available data, the classification criteria are not met.
- Carcinogenicity
- Based on available data, the classification criteria are not met.
- Reproductive toxicity
- Based on available data, the classification criteria are not met.
- STOT-single exposure
- Based on available data, the classification criteria are not met.
- STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- -12.1 Toxicity
- *Aquatic toxicity: No further relevant information available.
- *12.2 Persistence and degradability No further relevant information available.
- *12.3 Bioaccumulative potential No further relevant information available.
- •12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- *PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- #12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- *Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number		
ADR,RID,ADN, IMDG, IATA	Not applicable	
14.2 UN proper shipping name		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.3 Transport hazard class(es)		
ADR,RID,ADN, IMDG, IATA		
Class	Not applicable.	

Page 132 of 176 Item Numbers: 22648-1009, 22648-1019

Page 7/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 6) 14.5 Environmental hazards Marine pollutant: 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. UN "Model Regulation": SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture MAK(German Maximum Workplace Concentration) 13463-67-7 titanium dioxide 3ADirective 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. REACH Regulation Annex XVII Restriction See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorisation List None of the ingredients is listed. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

******************************* The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA. International AIT Interport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

(Contd. on page 8)

Page 8/8

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Revision 16.06.2021
(Contd. of page 7) ***************

Item Numbers: 22648-1009, 22648-1019 Page 134 of 176

Page 1/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Lt. Peach) for Zensations MP
- -1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
- The product is not classified according to the CLP regulation.
- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable
- · Hazard pictograms Not applicable
- Signal word Not applicable
- ·· Hazard-determining components of labelling: Not applicable
- Hazard statements Not applicable
- Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable
- vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

Composition:		
CAS: 1332-58-7	Kaolin	45,0%
EC number: 310-194-1	substance with a Community workplace exposure limit	
CAS: 557-04-0	magnesium distearate, pure	30,0%
EINECS: 209-150-3		
CAS: 9004-32-4	Carboxymethylcellulose Sodium	10,0%
	<u> </u>	(Contd. on page 2

(Contd. on page 2)

Page 2/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

and t	
Trade	name

		(Contd. of page
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	7,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	5,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	1,5%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	1,5%

· Remark:

All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide (CAS No.2512-29-0) Synonym: Pigment Yellow 1

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- * After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- *4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

• 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

(Contd. on page 3)

- EU

Page 3/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 2)

Trade name:

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities:
- *Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- * Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

-8.1 Control parameters

Ingredients with lim	it values that require monitoring at the workplace;
1332-58-7 Kaolin (4.	5,0%)
WEL (Great Britain)	Long-term value: 2 mg/m³
13463-67-7 titanium	dioxide (5,0%)
AGW (Germany)	Long-term value: 1,25* 10** mg/m³ 2(II);*alveolengängig**einatembar; AGS, DFG
VME (France)	Long-term value: 10 mg/m³
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable
557-05-1 zinc distear	rate (1,5%)
VME (France)	Long-term value: 10 mg/m³
WEL (Great Britain)	Short-term value: 20* mg/m³ Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

- · DNELs: Data not available
- PNECs: Data not available
- *Additional information: The lists valid during the making were used as basis.
- *8.2 Exposure controls
- Based on composition shown in Section 3, the following messures are suggested for occupational safety measure:
- * Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment:
- · Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 4)

- EU

Page 4/7

(Contd. of page 3)

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

· Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	and chemical properties	
Appearance:		
Form:	Solid	
Colour:	Seashell Peach	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available	
Change in condition		
Melting point/Melting range:	Data not available.	
Boiling point/Boiling range:	Data not available	
Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available.	
Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Data not available.	
Upper:	Data not available.	
Oxidising properties	Data not available	

Item Numbers: 22648-1009, 22648-1019 Page 138 of 176

Page 5/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 4) Density: Data not available. Relative density Data not available. Vapour density Date not available. · Evaporation rate Data not available · Solubility in / Miscibility with Data not available Partition coefficient (n-octanol/water): Data not available. · Viscosity: Dynamic: Data not available Data not available Kinematic: 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- *10.1 Reactivity No decomposition if used according to specification.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- *10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- *11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.

13463-67-7 titanium dioxide	*LD/LC30	vatues rete	vant for classification:	
Dermal LD50 >10000 mg/kg (rabbit) Inhalative LC50/4 h >6,82 mg/l (rat) 9004-32-4 Carboxymethylcellulose Sodium Oral LD50 > 27000 mg/kg (mouse) 27000 mg/kg (rat)	13463-67-	7 titanium	dioxide	
Inhalative LC50/4 h >6,82 mg/l (rat)	Oral	LD50	>20000 mg/kg (rat)	
9004-32-4 Carboxymethylcellulose Sodium Oral LD50 > 27000 mg/kg (mouse) 27000 mg/kg (rat) 27000 mg/kg (rat)	Dermal	LD50	>10000 mg/kg (rabbit)	
Oral LD50 > 27000 mg/kg (mouse) 27000 mg/kg (rat)	Inhalative	LC50/4 h	>6,82 mg/l (rat)	
27000 mg/kg (rat)	9004-32-4	Carboxym	nethylcellulose Sodium	
	Oral	LD50	> 27000 mg/kg (mouse)	
> 27000 mg/hg (mhhis)			27000 mg/kg (rat)	
> 27000 mg/kg (rabbit)			> 27000 mg/kg (rabbit)	
Dermal LD50 >2000 mg/kg (rabbit)	Dermal	LD50	>2000 mg/kg (rabbit)	
557-05-1 zinc distearate	557-05-1 2	inc distear	rate	
Oral LD50 > 10000 mg/kg (mouse)	Oral	LD50	> 10000 mg/kg (mouse)	
> 10000 mg/kg (rat)			> 10000 mg/kg (rat)	
2512-29-0 2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	2512-29-0	2-[(4-met)	hyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	
Oral LD50 >10000 mg/kg (rat)	Oral	LD50	>10000 mg/kg (rat)	
Dermal LD50 >2000 mg/kg (rat)	Dermal	LD50	>2000 mg/kg (rat)	

- · Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- *Carcinogenicity: Based on available data, the classification criteria are not met.

(Contd. on page 6)

— EU

Page 6/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 5)

Trade name:

- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- *Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- «12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- *vPvB: Not applicable.
- *12.6 Other adverse effects No further relevant information available.
- *12.7 Additional ecological information:
- -General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- *13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- *Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.2 UN proper shipping name	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.3 Transport hazard class(es)	
ADR,RID,ADN, IMDG, IATA	
Class	Not applicable
14.4 Packing group	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex	II of
Marpol and the IBC Code	Not applicable.
14.8 Transport/Additional information:	Not dangerous according to the above specifications.

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Page 7/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 6) "UN "Model Regulation": SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture MAK (German Maximum Workplace Concerntration) 13463-67-7 titanium dioxide 3ADirective 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. **REACH Regulation Annex XVII Restriction** See Section 16 for information about restriction of use. None of the ingredients is listed REACH Regulation Annex XIV Authorization List None of the ingredients is listed. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out. SECTION 16: Other information *******************************

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

PBT: Persistent. Bioaccumulative and Toxic

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Page 1/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Lt. Pink) for Zensations MP
- 21.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture: Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- · Hazard pictograms Not applicable.
- Signal word Not applicable.
- · Hazard-determining components of labelling: Not applicable.
- Hazard statements Not applicable.
- Precautionary statements Not applicable.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- ·PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- -3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

CAS: 1319-41-1 EINECS: 215-289-0	Saponite	30,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	26,0%
CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	10,0%

Item Numbers: 22648-1009, 22648-1019 Page 142 of 176

Page 2/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Trade name:

Revision 16.06.2021

	(Contd.	
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	9,0%
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	8,0%
CAS: 6410-26-0 EINECS: 229-096-4	4-[(2-chlorophenyl)azo]-3-hydroxy-N-phenylnaphthalene-2-carboxamide	7,0%
CAS: 9000-01-5 EINECS: 232-519-5	gum arabic	5,0%
	4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-(p-tolyl)-3H-pyrazol-3-one]	3,0%
	titanium dioxide substance with a Community workplace exposure limit	2,0%

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- *After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

- If skin irritation continues, consult a doctor.
- *After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Remark: All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

After swallowing:

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

: 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

(Contd. on page 3)

EU

Page 3/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 2)

Trade name:

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace
--

557-05-1 zinc distearate, pure (26,0%)

WEL (Great Britain) Short-term value: 20* mg/m³

Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

VME (France) Long-term value: 10 mg/m³

1332-58-7 Kaolin (8,0%)

WEL (Great Britain) Long-term value: 2 mg/m3

13463-67-7 titanium dioxide (2,0%)

AGW (Germany) Long-term value: 1,25* 10** mg/m³

2(II); *alveolengängig **einatembar; AGS, DFG

WEL (Great Britain) Long-term value: 10* 4** mg/m³

*total inhalable **respirable

VME (France) Long-term value: 10 mg/m³

- DNELs: Not applicable.
- PNECs: Not applicable.
- : Additional information: The lists valid during the making were used as basis.
- *8.2 Exposure controls
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure
- * Appropriate engineering controls See Section 7 for information about design of technical facilities.

(Contd. on page 4)

Page 4/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

(Contd. of page 3)

- Personal protective equipment
- * Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a General Information	and chemical properties	
Appearance:		
Form:	Solid	
Colour:	Pink	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available.	
Change in condition:		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
Boiling point/Boiling range:	Data not available.	
Flash point:	Data not available.	
Flammability (solid, gaseous):	Data not available.	
Auto-ignition temperature:	Data not available,	
Decomposition temperature:	Data not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits		
Lower:	Data not available.	
Upper:	Data not available.	

Item Numbers: 22648-1009, 22648-1019 Page 145 of 176

Page 5/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 4) Oxidizing properties: Data not available, Vapour pressure: Data not available. Data not available. Density: Relative density: Data not available. Vapour density: Data not available. Evaporation rate: Data not available. - Solubility in / Miscibility with Data not available. water: · Partition coefficient (n-octanol/water): Data not available. Viscosity: Dynamic: Data not available. Kinematic: Data not available. 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No decomposition if used according to specifications.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- «10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

Acute toxi	city	toxicological effects
		vant for classification:
13463-67-	7 titanium	dioxide
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)
63231-60-	7 Paraffin	waxes and Hydrocarbon waxes,microcryst.
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3600 mg/kg (rabbit)
9000-01-5	gum arab	ic
Oral	LD50	>16000 mg/kg (mouse)
		>16000 mg/kg (rat)
		>8000 mg/kg (rabbit)
9004-32-4	carboxym	ethyl cellulose, sodium salt
Oral	LD50	27000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
557-05-1 z	inc distear	rate, pure
Oral	LD50	>10000 mg/kg (mouse)
		>10000 mg/kg (rat)

Item Numbers: 22648-1009, 22648-1019 Page 146 of 176

Page 6/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 5)

Trade name:

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- *Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity
- Based on available data, the classification criteria are not met.
- Carcinogenicity
- Based on available data, the classification criteria are not met.
- Reproductive toxicity
- Based on available data, the classification criteria are not met.
- * STOT-single exposure
- Based on available data, the classification criteria are not met.
- STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- *Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- * 12.3 Bioaccumulative potential No further relevant information available.
- *12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- *PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sew.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

· 14.1 UN-Number · ADR,RID,ADN, IMDG, IATA	Not applicable.	
· ADK, KID, ADN, IMDG, IATA	тог аррисавіе.	
14.2 UN proper shipping name		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
· 14.3 Transport hazard class(es)		
· ADR,RID,ADN, IMDG, IATA		
Class	Not applicable.	
· 14.4 Packing group		
*ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.5 Environmental hazards		
: Marine pollutant:	No	

EC —

Page 7/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 6) *14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. UN "Model Regulation": SECTION 15: Regulatory information · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture MAK(German Maximum Workplace Concentration) 13463-67-7 titanium dioxide 3ADirective 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: - Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. REACH Regulation Annex XVII Restriction See Section 16 for information about restriction of use. None of the ingredients is listed REACH Regulation Annex XIV Authorisation List None of the ingredients is listed. • 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

End of document

Page 1/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- -1.1 Product identifier
- Trade name: Color lead (Lt Green) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture: Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- *Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- *Classification system:

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- * Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- * Hazard pictograms Not applicable.
- * Signal word Not applicable.
- *Hazard-determining components of labelling: Not applicable.
- *Hazard statements Not applicable.
- Precautionary statements Not applicable.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- «vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

Saponite	32,0%
magnesium distearate, pure	32,0%
carboxymethyl cellulose, sodium salt	9,0%
	magnesium distearate, pure

Item Numbers: 22648-1009, 22648-1019 Page 149 of 176

Page 2/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade	
1 raae	name

		(Contd. of page
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	8,0%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	7,5%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst,	5,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	2,5%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	2,0%
CAS: 1328-53-6 EINECS: 215-524-7	polychloro copper phthalocyanine	2,0%

· Remark: All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

SECTION 4: First aid measures

- ±4.1 Description of first aid measures
- *After inhalation: Supply fresh air; consult doctor in case of complaints.
- *After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eve contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- After swallowing:
- Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- -5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

-6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

(Contd. on page 3)

- EU

Page 3/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade name:

(Contd. of page 2)

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment,

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles,
- *7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

1332-58-7 Kaolin (8,0%)

WEL (Great Britain) Long-term value: 2 mg/m3

13463-67-7 titanium dioxide (2,5%)

Long-term value: 1,25* 10** mg/m3 AGW (Germany)

2(II); *alveolengängig **einatembar; AGS, DFG WEL (Great Britain) Long-term value: 10* 4** mg/m³

*total inhalable **respirable

VME (France) Long-term value: 10 mg/m3

557-05-1 zinc distearate, pure (2,0%)

WEL (Great Britain) Short-term value: 20* mg/m3

Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

VME (France) Long-term value: 10 mg/m³

- DNELs: Not applicable.
- · PNECs: Not applicable.
- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- · Based on the composition shown in Section 3, the following measures are suggested for occupational safety
- · Appropriate engineering controls See Section 7 for information about design of technical facilities.

(Contd. on page 4)

Page 4/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 3)

Trade name:

Personal protective equipment

- Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical of	and chemical properties	
General Information		
- Appearance: Form:	Solid	
Colour:	Light green	
· Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available.	
Change in condition:		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
Boiling point/Boiling range:	Data not available.	
Flash point:	Data not available.	
Flammability (solid, gaseous):	Data not available.	
Auto-ignition temperature:	Data not available.	
Decomposition temperature:	Data not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits		
Lower:	Data not available.	
Upper:	Data not available.	

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- EU

Page 5/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

		(Contd. of page 4
Oxidizing properties:	Data not available.	
Vapour pressure:	Data not available.	
Density:	Data not available.	
Relative density:	Data not available.	
Vapour density:	Data not available.	
Evaporation rate:	Data not available.	
Solubility in / Miscibility with		
water:	Data not available.	
Partition coefficient (n-octano	l/water): Data not available.	
Viscosity:		
Dynamic:	Data not available.	
Kinematic:	Data not available.	
9.2 Other information	No further relevant information available,	

SECTION 10: Stability and reactivity

- 10.1 Reactivity No decomposition if used according to specifications.
- -10.2 Chemical stability Stable under recommended storage conditions.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

LD/LC50 values relevant for classification: 13463-67-7 titanium dioxide Oral	Acute toxi		toxicological effects
Oral LD50 >20000 mg/kg (rat) Dermal LD50 >10000 mg/kg (rabbit) Inhalative LC50/4 h >6,82 mg/l (rat) 63231-60-7 Paraffin waxes and Hydrocarbon waxes,microcryst. Oral LD50 >5000 mg/kg (rat) Dermal LD50 >3600 mg/kg (rabbit) 9004-32-4 carboxymethyl cellulose, sodium salt Oral LD50 27000 mg/kg (rat) Dermal LD50 >2000 mg/kg (rabbit) 557-04-0 magnesium distearate, pure Oral LD50 >2000 mg/kg (rat) 557-05-1 zinc distearate, pure Oral LD50 >10000 mg/kg (mouse) >10000 mg/kg (rat)	LD/LC50	values rele	vant for classification:
Dermal LD50 >10000 mg/kg (rabbit)	13463-67-	7 titanium	dioxide
Inhalative LC50/4 h >6.82 mg/l (rat)	Oral	LD50	>20000 mg/kg (rat)
63231-60-7 Paraffin waxes and Hydrocarbon waxes,microcryst. Oral LD50 >5000 mg/kg (rat) Dermal LD50 >3600 mg/kg (rabbit) 9004-32-4 carboxymethyl cellulose, sodium salt Oral LD50 27000 mg/kg (rat) Dermal LD50 >2000 mg/kg (rabbit) 557-04-0 magnesium distearate, pure Oral LD50 >2000 mg/kg (rat) 557-05-1 zinc distearate, pure Oral LD50 >10000 mg/kg (mouse) > 10000 mg/kg (rat)	Dermal	LD50	>10000 mg/kg (rabbit)
Oral LD50 >5000 mg/kg (rat) Dermal LD50 >3600 mg/kg (rabbit) 9004-32-4 carboxymethyl cellulose, sodium salt Oral LD50 27000 mg/kg (rat) Dermal LD50 >2000 mg/kg (rabbit) 557-04-0 magnesium distearate, pure Oral LD50 >2000 mg/kg (rat) 557-05-1 zinc distearate, pure Oral LD50 >10000 mg/kg (mouse) > 10000 mg/kg (rat)	Inhalative	LC50/4 h	>6,82 mg/l (rat)
Dermal LD50 >3600 mg/kg (rabbit)	63231-60-	7 Paraffin	waxes and Hydrocarbon waxes,microcryst.
9004-32-4 carboxymethyl cellulose, sodium salt Oral LD50 27000 mg/kg (rat) Dermal LD50 >2000 mg/kg (rabbit) 557-04-0 magnesium distearate, pure Oral LD50 >2000 mg/kg (rat) 557-05-1 zinc distearate, pure Oral LD50 >10000 mg/kg (mouse) >10000 mg/kg (rat)	Oral	LD50	>5000 mg/kg (rat)
Oral LD50 27000 mg/kg (rat) Dermal LD50 >2000 mg/kg (rabbit) 557-04-0 magnesium distearate, pure Oral LD50 >2000 mg/kg (rat) 557-05-1 zinc distearate, pure Oral LD50 >10000 mg/kg (mouse) > 10000 mg/kg (rat)	Dermal	LD50	>3600 mg/kg (rabbit)
Dermal LD50 >2000 mg/kg (rabbit)	9004-32-4	carboxym	ethyl cellulose, sodium salt
557-04-0 magnesium distearate, pure Oral LD50 >2000 mg/kg (rat) 557-05-1 zinc distearate, pure Oral LD50 >10000 mg/kg (mouse) >10000 mg/kg (rat)	Oral	LD50	27000 mg/kg (rat)
Oral LD50 >2000 mg/kg (rat) 557-05-1 zinc distearate, pure Oral LD50 >10000 mg/kg (mouse) >10000 mg/kg (rat)	Dermal	LD50	>2000 mg/kg (rabbit)
557-05-1 zinc distearate, pure Oral LD50 >10000 mg/kg (mouse) >10000 mg/kg (rat)	557-04-0 n	nagnesiun	distearate, pure
Oral LD50 >10000 mg/kg (mouse) >10000 mg/kg (rat)	Oral	LD50	>2000 mg/kg (rat)
>10000 mg/kg (rat)	557-05-1 z	inc distear	rate, pure
5 5 7	Oral	LD50	>10000 mg/kg (mouse)
1328-53-6 polychloro copper phthalocyanine			>10000 mg/kg (rat)
	1328-53-6	polychlore	o copper phthalocyanine
			(Contd. or

Page 153 of 176

Page 6/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 5)

Trade name:

- «Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity

Based on available data, the classification criteria are not met.

· Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- -12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- · Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

· 14.1 UN-Number		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.2 UN proper shipping name		
· ADR,RID,ADN, IMDG, IATA	Not applicable.	
- 14.3 Transport hazard class(es)		
· ADR,RID,ADN, IMDG, IATA		
- Class	Not applicable.	
- 14.4 Packing group		
· ADR,RID,ADN, IMDG, IATA	Not applicable.	
· 14.5 Environmental hazards		
Marine pollutant:	No	

Item Numbers: 22648-1009, 22648-1019 Page 154 of 176

Page 7/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 6) 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable, "UN "Model Regulation": SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture - MAK(German Maximum Workplace Concentration) 13463-67-7 titanium dioxide 3ADirective 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. **REACH Regulation Annex XVII Restriction** See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorisation List None of the ingredients is listed. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out. SECTION 16: Other information *******************************

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

End of document

Page 1/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- «1.1 Product identifier
- Trade name: Color lead (Orange) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture: Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

- -2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- · Hazard pictograms Not applicable.
- *Signal word Not applicable.
- Hazard-determining components of labelling: Not applicable.
- Hazard statements Not applicable.
- Precautionary statements Not applicable.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- *vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.

Saponite	31,0%
magnesium distearate, pure	31,0%
Kaolin substance with a Community workplace exposure limit	10,0%
	magnesium distearate, pure

Page 156 of 176 Item Numbers: 22648-1009, 22648-1019

Page 2/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

7	rade	name.

CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	9,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	6,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	4,0%
CAS: 15793-73-4 EINECS: 239-898-6	4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-(p-tolyl)-3H-pyrazol-3-one]	4,0%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	3,0%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	2,0%

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

(Contd. on page 3)

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Page 3/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 2)

Trade name:

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

- Store only in the original receptacle.
- Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- *7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control	parameters
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Ingredients with limit	values that require	monitoring at the workplace:
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1332-58-7 Kaolin (10,0%)

WEL (Great Britain) Long-term value: 2 mg/m³

557-05-1 zinc distearate, pure (6,0%)

WEL (Great Britain)	Short-term value: 20* mg/m³
	Long-term value: 10* 4** mg/m³
	*inhalable dust **respirable dust
VME (France)	Long-term value: 10 mg/m³

13463-67-7 titanium dioxide (4,0%)

	Long-term value: 1,25* 10** mg/m³ 2(II);*alveolengängig**einatembar; AGS, DFG
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable
	Long-term value: 10 mg/m³

DNELs: Not applicable.

PNECs: Not applicable.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

· Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure

· Appropriate engineering controls See Section 7 for information about design of technical facilities.

· Personal protective equipment

Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 4)

- EU

Page 4/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 3)

Trade name:

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/
the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a General Information	and chemical properties	
Appearance:		
Form:	Solid	
Colour:	Orange	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available,	
Change in condition:		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
Boiling point/Boiling range:	Data not available.	
Flash point:	Data not available,	
Flammability (solid, gaseous):	Data not available.	
Auto-ignition temperature:	Data not available.	
Decomposition temperature:	Data not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits		
Lower:	Data not available.	
Upper:	Data not available.	
Oxidizing properties:	Data not available.	

Item Numbers: 22648-1009, 22648-1019 Page 159 of 176

Page 5/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

		(Contd. of page 4
· Density:	Data not available.	
Relative density:	Data not available.	
Vapour density:	Data not available.	
Evaporation rate:	Data not available.	
Solubility in / Miscibility with		
water:	Data not available.	
«Partition coefficient (n-octan	ol/water); Data not available.	
* Viscosity:		
Dynamic:	Data not available.	
Kinematic:	Data not available.	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- *10.1 Reactivity No decomposition if used according to specifications.
- * 10.2 Chemical stability Stable under recommended storage conditions.
- *10.3 Possibility of hazardous reactions No dangerous reactions known.
- *10.4 Conditions to avoid No further relevant information available.
- *10.5 Incompatible materials: No further relevant information available.
- * 10.6 Hazardous decomposition products: No dangerous decomposition products known.

11.1 Infort Acute toxic		toxicological effects
		vant for classification:
13463-67-	7 titanium	dioxide
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)
63231-60-	7 Paraffin	waxes and Hydrocarbon waxes,microcryst.
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3600 mg/kg (rabbit)
9004-32-4	carboxym	ethyl cellulose, sodium salt
Oral	LD50	27000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
557-04-0 n	nagnesiun	distearate, pure
Oral	LD50	>2000 mg/kg (rat)
557-05-1 z	inc distear	rate, pure
Oral	LD50	>10000 mg/kg (mouse)
		>10000 mg/kg (rat)

- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity
- Based on available data, the classification criteria are not met.
- Carcinogenicity
- Based on available data, the classification criteria are not met.

(Contd. on page 6)

Page 160 of 176

Page 6/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 5)

Trade name:

- Reproductive toxicity
- Based on available data, the classification criteria are not met.
- STOT-single exposure
- Based on available data, the classification criteria are not met.
- STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- •12.3 Bioaccumulative potential No further relevant information available.
- •12.4 Mobility in soil No further relevant information available.
- -12.5 Results of PBT and vPvB assessment
- . PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- -13.1 Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number	N	
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.2 UN proper shipping name		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.3 Transport hazard class(es)		
ADR,RID,ADN, IMDG, IATA		
Class	Not applicable.	
14.4 Packing group		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.5 Environmental hazards		
Marine pollutant:	No	
14.6 Special precautions for user	Not applicable.	
14.7 Transport in bulk according to Anna	ex II of	
MARPOL73/78 and the IBC Code	Not applicable.	

Page 161 of 176

End of document

Page 7/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 6) "UN "Model Regulation": SECTION 15: Regulatory information · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture · MAK(German Maximum Workplace Concentration) 13463-67-7 titanium dioxide 3A Directive 2012/18/EU *Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed REACH Regulation Annex XVII Restriction See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorisation List None of the ingredients is listed. · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out. SECTION 16: Other information ******************************** The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830. DISCLAIMER OF LIABILITY: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH) **************************

Item Numbers: 22648-1009, 22648-1019 Page 162 of 176

Page 1/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Peach) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- *Application of the substance / the mixture: Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

Emergency telephone: +81-3-3268-1193

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:

The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable.
- *Hazard pictograms Not applicable.
- Signal word Not applicable.
- * Hazard-determining components of labelling: Not applicable.
- Hazard statements Not applicable.
- *Precautionary statements Not applicable.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- -3.2 Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.

CAS: 1319-41-1 EINECS: 215-289-0	Saponite	30,0%
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	30,0%
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	15,0%

Page 2/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

Trade	name

		(Contd. of page
CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	10,0%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	7,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	5,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	1,5%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	1,5%

Remark: All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

(Contd. on page 3)

- EU

Page 3/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 2)

Trade name:

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- EInformation about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limi	it values that require monitoring at the workplace:	
1332-58-7 Kaolin (1.	5,0%)	
WEL (Great Britain)	Long-term value: 2 mg/m³	
13463-67-7 titanium	dioxide (5,0%)	
AGW (Germany)	Long-term value: 1,25* 10** mg/m³ 2(II);*alveolengängig**einatembar; AGS, DFG	
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable	
VME (France)	Long-term value: 10 mg/m³	
557-05-1 zinc distear	rate, pure (1,5%)	
WEL (Great Britain)	Short-term value: 20* mg/m³	
	Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust	
VME (France)	Long-term value: 10 mg/m³	

- · DNELs: Not applicable.
- · PNECs: Not applicable.
- -Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety
- · Appropriate engineering controls See Section 7 for information about design of technical facilities.
- Personal protective equipment
- *Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 4)

Page 4/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 3)

Trade name:

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

* Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure contros:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a General Information	and chemical properties	
Appearance:		
Form;	Solid	
Colour:	Skin yellow	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available,	
Change in condition:		
Melting point/Melting range:	Data not available.	
Freezing point:	Data not available.	
Boiling point/Boiling range:	Data not available.	
Flash point:	Data not available.	
Flammability (solid, gaseous):	Data not available.	
Auto-ignition temperature:	Data not available.	
Decomposition temperature:	Data not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits		
Lower:	Data not available.	
Upper:	Data not available.	
Oxidizing properties:	Data not available.	

Item Numbers: 22648-1009, 22648-1019 Page 166 of 176

Page 5/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 4) Data not available. Density: Relative density: Data not available. Data not available. Vapour density: Data not available, Evaporation rate: Solubility in / Miscibility with Data not available. water: Partition coefficient (n-octanol/water): Data not available. Viscosity: Dynamic: Data not available, Kinematic: Data not available. 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- *10.1 Reactivity No decomposition if used according to specifications.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- : 11.1 Information on toxicological effects
 Acute toxicity

· Acute toxic		
- LD/LC50	alues rele	vant for classification:
13463-67-	⁷ titanium	dioxide
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
<i>Inhalativ</i> e	LC50/4 h	>6,82 mg/l (rat)
63231-60-	7 Paraffin	waxes and Hydrocarbon waxes,microcryst.
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3600 mg/kg (rabbit)
9004-32-4	carboxym	ethyl cellulose, sodium salt
Oral	LD50	27000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
557-04-0 n	nagnesium	distearate, pure
Oral	LD50	>2000 mg/kg (rat)
557-05-1 z	inc distear	rate, pure
Oral	LD50	>10000 mg/kg (mouse)
		>10000 mg/kg (rat)

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity
- Based on available data, the classification criteria are not met.
- Carcinogenicity

Based on available data, the classification criteria are not met.

(Contd. on page 6)

Page 6/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021

Revision 16.06.2021

(Contd. of page 5)

Trade name:

- Reproductive toxicity
- Based on available data, the classification criteria are not met.
- STOT-single exposure
- Based on available data, the classification criteria are not met,
- STOT-repeated exposure
- Based on available data, the classification criteria are not met,
- Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- *Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- *12.3 Bioaccumulative potential No further relevant information available.
- •12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- *Recommendation: Smaller quantities can be disposed of with household waste,
- Uncleaned packaging
- *Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.2 UN proper shipping name		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.3 Transport hazard class(es)		
ADR,RID,ADN, IMDG, IATA		
Class	Not applicable.	
14.4 Packing group		
ADR,RID,ADN, IMDG, IATA	Not applicable.	
14.5 Environmental hazards		
Marine pollutant:	No	
14.6 Special precautions for user	Not applicable.	
14.7 Transport in bulk according to Anne	ex II of	
MARPOL73/78 and the IBC Code	Not applicable.	

Page 7/7

Safety Data Sheet Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2021 Revision 16.06.2021 Trade name: (Contd. of page 6) UN "Model Regulation": SECTION 15: Regulatory information · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture · MAK(German Maximum Workplace Concentration) 13463-67-7 titanium dioxide 3A Directive 2012/18/EU *Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. **REACH Regulation Annex XVII Restriction** See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorisation List None of the ingredients is listed. - 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out. SECTION 16: Other information ********************************** The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830. DISCLAIMER OF LIABILITY: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IMPO. . merinational Air Transport Association
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH) End of document

Item Numbers: 22648-1009, 22648-1019 Page 169 of 176

Page 1/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Color lead (Pink) for Zensations MP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- * Application of the substance / the mixture Drawing
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

ZEBRA CO., LTD.

2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN

Phone: +81-3-3268-1193

Fax:+81-3-3268-1197

 $Emergency\ telephone: +81-3-3268-1193$

This phone number is available only during office hours:

9am to 5:30pm (Japan time)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
- The product is not classified according to the CLP regulation.
- Information concerning particular hazards for human and environment:
- The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- Classification system:
- The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable
- · Hazard pictograms Not applicable
- Signal word Not applicable
- *Hazard-determining components of labelling: Not applicable
- Hazard statements Not applicable
- Precautionary statements Not applicable
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- · PBT: Not applicable
- vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

CAS: 1332-58-7 EC number: 310-194-	Kaolin I substance with a Community workplace exposure limit	48,09
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	31,99
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	7,0%

Item Numbers: 22648-1009, 22648-1019 Page 170 of 176

Page 2/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

	(Cont	d. of page 1
CAS: 9004-32-4	Carboxymethylcellulose Sodium	6,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	3,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	3,0%
CAS: 5281-04-9 EINECS: 226-109-5	calcium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate	0,5%
CAS: 6410-26-0 EINECS: 229-096-4	4-[(2-chlorophenyl)azo]-3-hydroxy-N-phenylnaphthalene-2-carboxamide	0,4%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	0,2%

Remark:

All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

calcium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate (CAS No.5281-04-9) Synonym: C.I. Pigment Red 57:1

2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide (CAS No.2512-29-0) Synonym: Pigment Yellow 1

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

 6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation.

(Contd. on page 3)

- EU

Page 3/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 2)

Trade name:

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

- Information about fire and explosion protection: Normal measures for preventive fire protection.
- *7.2 Conditions for safe storage, including any incompatibilities:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- *Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- *7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
 Inoredients with limit values that require monitoring at the workplace.

WEL (Great Britain)	Long-term value: 2 mg/m³	
13463-67 - 7 titanium	dioxide (3,0%)	
AGW (Germany)	Long-term value: 1,25* 10** mg/m³ 2(II); *alveolengängig **einatembar; AGS, DFG	
VME (France)	Long-term value: 10 mg/m³	
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable	
557-05-1 zinc distear	rate (3,0%)	
VME (France)	Long-term value: 10 mg/m³	
WEL (Great Britain)	Short-term value: 20* mg/m³ Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust	

- · DNELs: Data not available
- · PNECs: Data not available
- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Based on composition shown in Section 3, the following messures are suggested for occupational safety measure:

(Contd. on page 4)

Page 4/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

Trade name:

(Contd. of page 3)

- Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment:
- Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/
the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

9.1 Information on basic physical a	and chemical properties	
Appearance:		
Form:	Solid	
Colour:	Bubble Gum Pink	
Odour:	Odourless	
Odour threshold:	Data not available.	
pH-value:	Data not available	
Change in condition		
Melting point/Melting range:	Data not available.	
Boiling point/Boiling range:	Data not available	
Freezing point:	Data not available	
Flash point:	Data not available	
Flammability (solid, gaseous):	Date not available.	
Auto-Ignition temperature:	Data not available	
Decomposition temperature:	Date not available.	
Self-igniting:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Data not available.	
Upper:	Data not available.	

Item Numbers: 22648-1009, 22648-1019 Page 173 of 176

Viscosity:
Dynamic:

Kinematic:

9.2 Other information

Page 5/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 4) · Oxidising properties Data not available Date not available. · Vapour pressure: Density: Data not available. Relative density Data not available. Vapour density Date not available. · Evaporation rate Data not available Solubility in / Miscibility with Data not available water: Partition coefficient (n-octanol/water): Data not available.

Data not available

Data not available

No further relevant information available.

SECTION 10: Stability and reactivity

- «10.1 Reactivity No decomposition if used according to specification.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- *10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.

13463-67-	7 titanium	dioxide	
Oral	LD50	>20000 mg/kg (rat)	
Dermal	LD50	>10000 mg/kg (rabbit)	
Inhalativ <mark>e</mark>	LC50/4 h	>6,82 mg/l (rat)	
9004-32-4	Carboxyn	nethylcellulose Sodium	
Oral	LD50	> 27000 mg/kg (mouse)	
		27000 mg/kg (rat)	
		> 27000 mg/kg (rabbit)	
Dermal	LD50	>2000 mg/kg (rabbit)	
557-05-1 <i>2</i>	inc distear	rate	
Oral	LD50	> 10000 mg/kg (mouse)	
		> 10000 mg/kg (rat)	
2512-29-0	2-[(4-met)	hyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	
Oral	LD50	>10000 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rat)	

- · Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- * Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

(Contd. on page 6)

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Page 6/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020

Revision 10.10.2020

(Contd. of page 5)

Trade name:

- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met. Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- · Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- *Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- *12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.2 UN proper shipping name	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.3 Transport hazard class(es)	
ADR,RID,ADN, IMDG, IATA	
Class	Not applicable
14.4 Packing group	
ADR,RID,ADN, IMDG, IATA	Not applicable
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex	II of
Marpol and the IBC Code	Not applicable.

Page 175 of 176 Item Numbers: 22648-1009, 22648-1019

End of document

Page 7/7

Safety data sheet Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2020 Revision 10.10.2020 Trade name: (Contd. of page 6) UN "Model Regulation": SECTION 15: Regulatory information · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture · MAK (German Maximum Workplace Concerntration) 13463-67-7 titanium dioxide 3ADirective 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. National regulations: · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Other regulations, limitations and prohibitive regulations SVHC Candidate List of REACH Regulation Annex XIV Authorisation None of the ingredients is listed. REACH Regulation Annex XVII Restriction See Section 16 for information about restriction of use. None of the ingredients is listed. REACH Regulation Annex XIV Authorization List None of the ingredients is listed. *15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out. SECTION 16: Other information The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830. DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association IATA: International AIT Interport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

Item Numbers: 22648-1009, 22648-1019 Page 176 of 176