

SAFETY DATA SHEET

00473-1114

according to Regulation (EC) No. 1907/2006 (REACH)

series 10 - MUSSINI (with zinc oxide pigments)

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name series 10 - MUSSINI
10101 flake white subst. - 10102 zinc white - 10224 brillant yellow - 10485 royal blue light -
10788 brownish grey 2

Name INCI
Name Ph. Eur.
REACH registration No.
UFI

1.2 Relevant identified uses of the substance or mixture and uses advised against**General use**

Products for creation of art.

Uses advised against**1.3 Details of the supplier of the safety data sheet**

H. Schmincke & Co. GmbH & Co. KG
Otto-Hahn-Strasse 2
D-40699 Erkrath
Tel +49 (0) 211 - 2509 - 0
Fax +49 (0) 211 - 2509 - 479
info@schmincke.de
www.schmincke.de

Schmincke-lab:
mo-th 8.00-16.30, fr 8.00-13.30
tel. +49 (0) 211-2509-474
labor@schmincke.de

1.4 Emergency telephone number**Emergency
Information****Emergencycall Berlin
+49 30-30686700
(24/7 counseling in german and english)****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to EC regulation 1272/2008 (CLP)**

The product is classified and labelled in accordance with EC directives/the relevant national laws.; no classification

2.2 Label elements**Labelling****Signal word****Hazard statements**

no hazard labelling required

Safety precautions

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Hazard components for labelling

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Text for labelling (CLP)**2.3 Other hazards****SECTION 3: Composition / information on ingredients****3.1 Substances****Chemical characterisation**

oil
 pigment
 Dammar resin
 siccative
 essential oils
 CAS-Number
 EINECS / ELINCS / NLP
 EU index number
 Customs tariff number
 REACH registration No.
 RTECS-no.
 Hazchem-Code
 CI-Number

10101 PW4, PW6
 10102 PW4
 10224 PW4, PBr24, PY53
 10485 PW4, PW6, PB36
 10788 PW4, PG36, PY42, PBr33

3.2 Mixtures**Substance 1**

solvent naphtha (petroleum), light, aromatic: 1 - <5 %
 CAS: 64742-95-6
 REACH: 01-2119455851-35
 Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / -; EUH066
 / Flam. Liq. 3; H226 / STOT SE 3; H335 / STOT SE 3;
 H336

Substance 2

zinc oxide: 25 - 75 %
 CAS: 1314-13-2
 REACH: 01-2119463881-32-0043
 Aquatic Acute 1; H400 / Aquatic Chronic 1 (M=1); H410

Additional information**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

No special measures are required.

In case of inhalation**In case of skin contact****After eye contact****After swallowing****4.2 Most important symptoms and effects, both acute and delayed****4.3 Indication of any immediate medical attention and special treatment needed**

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Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Extinguishing media which must not be used for safety reasons**5.2 Special hazards arising from the substance or mixture**

In case of fire may be liberated: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters**Special protective equipment for firefighters****Additional information****SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up**Methods for cleaning up**

Take up mechanically. Wash spill area with plenty of water.

Additional information**6.4 Reference to other sections**

Dispose of waste according to applicable legislation. refer to section 13

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advices on safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Precautions against fire and explosion**7.2 Conditions for safe storage, including any incompatibilities****Requirements for storerooms and containers**

Keep container tightly closed.

Hints on joint storage**Storage class****Further details**

storage temperature: 5 - 40 °C

7.3 Specific end use(s)

No special measures necessary if stored and handled as prescribed.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

64742-95-6 solvent naphtha (petroleum), light, aromatic

DEU	WEL	50,000	mg/m ³	2 (II); AGS
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1314-13-2 zinc oxide

DEU	short-term occupational exposu	20,000	mg/m ³	4 (I)
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DEU	Long term occupational exposure	10,000	mg/m ³	2 (II)
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DNEL overview

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64742-95-6 solvent naphtha (petroleum), light, aromatic

DNEL worker	Long-term - inhalation, system	150,00000	mg/m ³
DNEL worker	Long-term - dermal, local effe	25,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic eff	11,00000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, system	32,00000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic e	11,00000	mg/kg bw/day

DNEL overview

1314-13-2 zinc oxide

DNEL worker	Long-term - inhalation, system	5,00000	mg/m ³
DNEL worker	Long-term - inhalation, local	0,50000	mg/m ³
DNEL worker	Long-term - dermal, systemic e	83,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic eff	0,83000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, system	2,50000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic e	83,00000	mg/kg bw/day

PNEC overview

1314-13-2 zinc oxide

PNEC soil	35,60000	mg/kg dw
PNEC aquatic, freshwater	20,60000	µg/L
PNEC aquatic, marine water	6,10000	µg/L
PNEC soil, freshwater	117,80000	mg/kg dw
PNEC soil, marine water	56,50000	mg/kg dw
PNEC sewage treatment plant (S	100,00000	µg/L

8.2 Exposure controls**Occupational exposure controls****Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Protect skin by using skin protective cream.

Eye protection

Avoid contact with eyes.

Body protection

Wash contaminated clothing prior to re-use.

General protection and hygiene measures

No special handling advices are necessary. Wash hands thoroughly after handling.

SECTION 9: Physical and chemical properties**9.1 information on basic physical and chemical properties**

Form pasty
Colour pigmented
Odour weak

min

max

Initial boiling point and boiling range**Melting point/freezing point****Flash point/flash point range****Flammability****Ignition temperature****Auto-ignition temperature****Explosion limits****Refractive index****PH**

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Viscosity
Viscosity

Vapour pressure	1,6 - 3,1 g/ml	20 °C
Density		
Partition coefficient: n-octanol/water		

Danger of explosion

9.2 Other information**SECTION 10: Stability and reactivity****10.1 Reactivity****10.2 Chemical stability****10.3 Possibility of hazardous reactions****10.4 Conditions to avoid**

frost and heat

10.5 Incompatible materials**10.6 Hazardous decomposition products****SECTION 11: Toxicological information****11.1 Information on toxicological effects****Toxicological tests**

64742-95-6 solvent naphtha (petroleum), light, aromatic

oral	LD50	Rat	>	2000,00000	mg/kg	-
inhalative	LC50	Rat	>	10,20000	mg/L	(4h)
dermal	LD50	Rat	>	2000,00000	mg/kg	-

Toxicological tests

1314-13-2 zinc oxide

oral	LD50	Rat	>	5000,00000	mg/kg	-
inhalative	LC50	Rat	>	5,70000	mg/L	(4h)

Acute toxicity**In case of inhalation**

No data available

After swallowing

No data available

In case of skin contact

No data available

After eye contact

No data available

Practical experience**General remarks****SECTION 12: Ecological information****12.1 Toxicity****Ecotoxicological effects**

Item 64742-95-6 14 solvent naphtha (petroleum), light, aromatic

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LC50	fish		9,20000	mg/L	(96h)
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EC50	Algae	>	2,60000	mg/L	(72h)
EC50	Daphnia magna (Big water flea)		3,20000	mg/L	(48h)

Ecotoxicological effects

1314-13-2 zinc oxide

EC50	Daphnia magna (Big water flea)		0,67000	mg/L	(48h)
ErC50:	Algae		0,21000	mg/L	(72h)

Aquatic toxicity

EC50 Desmodesmus subspicatus : >= 114,2 mg/l ... for all zinc oxide containing colours (Hydrotox; 05/2224)

Water Hazard Class 1**WGK catalog number****General information****12.2 Persistence and degradability****Further details**

Product is partially biodegradable.

Oxygen demand**12.3 Bioaccumulative potential****Bioconcentration factor (BCF)**

Partition coefficient: n-octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects**General information****SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product****Waste key number**

080112 080112 waste paint and varnish other than those mentioned in 080111

Recommendation**Contaminated packaging****Waste key number****Recommendation**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

Additional information**SECTION 14: Transport information****14.1 UN number****14.2 UN proper shipping name****ADR, ADN** No dangerous good in sense of these transport regulations.**IMDG, IATA****14.3 Transport hazard class(es)****ADR, ADN****IMDG****Item Numbers:** 00473-1114**IATA**

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14.4 Packing group**14.5 Environmental hazards**

Marine Pollutant - IMDG
Marine Pollutant - ADN

14.6 Special precautions for user**Land transport (ADR/RID)**

Code: ADR/RID
Kemmler-number
Hazard label ADR
Limited quantities
Contaminated packaging: Instructions
Contaminated packaging: Special provisions
Special provisions for packing together
Portable tanks: Instructions
Portable tanks: Special provisions
Tank coding
Tunnel restriction
Remarks
EQ
Special provisions

Sea transport (IMDG)

EmS
Special provisions
Limited quantities
Contaminated packaging: Instructions
Contaminated packaging: Special provisions
IBC: Instructions
IBC: Provisions
Tank instructions IMO
Tank instructions UN
Tank instructions Special provisions
Stowage and segregation
Properties and observations
Remarks
EQ

Air transport (IATA-DGR)

Hazard
Passenger
Passenger LQ
Cargo
ERG
Remarks
EQ
Special Provisioning

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

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Contents of VOC [%]
 Contents of VOC
 [g/L]
 Further regulations, limitations and legal requirements

Germany

Storage class
 Water Hazard Class 1
 WGK catalog number
 Incident regulation
 Information on working limitations
 Further regulations, limitations and legal requirements

Denmark

Further regulations, limitations and legal requirements

Hungary

Further regulations, limitations and legal requirements

Great Britain

Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%]
 max. 5 %
 Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements
 Federal Regulations
 State Regulations

Canada

Further regulations, limitations and legal requirements

15.2 Chemical Safety Assessment**SECTION 16: Other information****Further information**

Hazard statements (CLP)

H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.

Further information

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

Literature

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R.20 (Table of terms and abbreviations).

Reason of change

Additional information

~~Die Angaben in diesem Datenblatt sind nach bestem Wissen zusammengestellt und entsprechen dem Stand der Kenntnis zum Überarbeitungsdatum.~~

Sie sichern jedoch nicht die Einhaltung bestimmter Eigenschaften im Sinne der Rechtsverbindlichkeit zu.