

MSDS for #63413 - FASHION SPRAY
~~Safety data sheet in accordance with regulation (EC) No 1907/2006~~



Trade name: Marabu FashionColor 033

Version: 3 / GB

Date revised: 26.01.2015

Substance number: 17400023033-033

Replaces Version: 2 / GB

Print date: 08.12.21

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

1.1. Product identifier

Marabu FashionColor 033

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Dyeing colour

Identified Uses

SU21

Consumer uses: Private households (= general public = consumers)

PC34

Textile dyes, finishing and impregnating products; including bleaches and other processing aids

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Marabu GmbH & Co. KG

Asperger Strasse 4

71732 Tamm

Germany

Telephone no.

+49-7141/691-0

Fax no.

+49-7141/691-147

Information provided

Department product safety

by / telephone

E-mail address of

PRSI@marabu.com

person responsible

for this SDS

1.4. Emergency telephone number

(+49) (0)621-60-43333

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Water soluble powder preparation containing textile dyes

SECTION 4: First aid measures

4.1. Description of first aid measures

General information



Trade name: Marabu FashionColor 033

Version: 3 / GB

Date revised: 26.01.2015

Substance number: 17400023033-033

Replaces Version: 2 / GB

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Remove contaminated clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash with plenty of water and soap.

After eye contact

Rinse immediately with plenty of water. If irritation persists, seek medical aid.

After ingestion

Drink water in small gulps. If larger amounts are swallowed or in the event of symptoms take medical treatment.

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water mist, Foam, Dry chemical extinguisher

Non suitable extinguishing media

Carbon dioxide

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Fire residues must be disposed of in a proper manner. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

6.2. Environmental precautions

No special environmental measures are necessary.

6.3. Methods and material for containment and cleaning up

Take off spilled material by sweeping or vacuum cleaning and send for disposal in suitable containers.

6.4. Reference to other sections

Information regarding waste disposal, see Section 13. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Keep container tightly closed. Avoid skin and eye contact. Smoking, eating and drinking shall be prohibited in application area.



Trade name: Marabu FashionColor 033

Version: 3 / GB

Date revised: 26.01.2015

Substance number: 17400023033-033

Replaces Version: 2 / GB

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Advice on protection against fire and explosion

The product is capable of dust explosions. Take action to prevent static discharges.

Classification of fires / temperature class / Ignition group / Dust explosion class

Classification of fires A (Flammable solids)

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a dry place. Keep only in original packaging.

7.3. Specific end use(s)

Dyeing colour

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

There are not known any further control parameters.

8.2. Exposure controls

General protective and hygiene measures

Do not breathe dust. Avoid contact with skin and eyes. Take off immediately all contaminated clothing. Keep away from foodstuffs and beverages. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Use barrier skin cream.

Respiratory protection

Dust mask

Hand protection

Protective gloves

Information on material thickness and breakthrough time is not relevant in case of solids.

Eye protection

Safety glasses with side protection shield

Body protection

Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Powder		
Colour	coloured		
Odour	odourless		
Odour threshold			
Remarks	Not applicable		
Specific surface			
Remarks	No data available		
Particle size			
Remarks	No data available		
pH value			
Value	5	to	8
Concentration/H ₂ O	10	g/l	
Temperature	20	°C	
Melting point			



Trade name: Marabu FashionColor 033

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Substance number: 17400023033-033

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Remarks No data available

Initial boiling point and boiling range

Remarks Not applicable

Flash point

Remarks Not applicable

Evaporation rate

Remarks Not applicable

Evaporation rate (ether = 1) :

Remarks Not applicable

Flammability (solid, gas)

No data available

Upper/lower flammability or explosive limits

Remarks not determined

Vapour pressure

Remarks Not applicable

Vapour density

Remarks Not applicable

Density

Value 1,000 g/cm³
Temperature 20 °C
Method DIN EN ISO 2811

Solubility in water

Remarks not determined

Partition coefficient: n-octanol/water

Remarks No data available

Ignition temperature

Remarks not determined

Auto-ignition temperature

Remarks No data available

Decomposition temperature

Remarks not determined

Viscosity

Remarks
Remarks Not applicable

Explosive properties

evaluation Not applicable

Oxidising properties

evaluation None known

9.2. Other information

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability



Trade name: Marabu FashionColor 033

Version: 3 / GB

Date revised: 26.01.2015

Substance number: 17400023033-033

Replaces Version: 2 / GB

Print date: 08.12.21

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

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

Acute dermal toxicity

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

Acute inhalational toxicity

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

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Sensitization

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

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Single exposure

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

Repeated exposure

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

Aspiration hazard

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

Experience in practice

According to our today's knowledge no health damage is to be expected with appropriate handling.

Other information

There are no data available on the mixture itself.

The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

SECTION 12: Ecological information



Trade name: Marabu FashionColor 033

Version: 3 / GB

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Substance number: 17400023033-033

Replaces Version: 2 / GB

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12.1. Toxicity

General information

There are no data available on the mixture itself. Do not allow to enter drains or water courses. The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.

12.2. Persistence and degradability

General information

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

General information

There are no data available on the mixture itself.

Partition coefficient: n-octanol/water

Remarks No data available

12.4. Mobility in soil

General information

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

General information

There are no data available on the mixture itself.

12.6. Other adverse effects

General information

There are no data available on the mixture itself.

General information / ecology

No disturbance of the biological stage in water purification can be expected by introducing in the drainage system with the degree of dilution resulting from application.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 04 02 17 dyestuffs and pigments other than those mentioned in 04 02 16

Incineration in suitable incineration plant, observing local authority regulations.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information



Trade name: Marabu FashionColor 033

Version: 3 / GB

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Substance number: 17400023033-033

Replaces Version: 2 / GB

Print date: 08.12.21

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.-	The product does not constitute a hazardous substance in sea transport.-	The product does not constitute a hazardous substance in air transport.-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Subsidiary risk		-	-
Label			
14.4. Packing group	-	-	-
Transport category	0		
14.5. Environmental hazards	-	no	-

Information for all modes of transport

14.6. Special precautions for user

Transport within the user's premises:

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

no

SECTION 15: Regulatory information

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

VOC

VOC (EU)	0	%	
VOC (EU)		0	g/l

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
 This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.
 The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.



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Version: 3 / GB

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Substance number: 17400023033-033

Replaces Version: 2 / GB

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It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.



Trade name: Marabu FashionColor 037

Version: 3 / GB

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Replaces Version: 2 / GB

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

1.1. Product identifier

Marabu FashionColor 037

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Dyeing colour

Identified Uses

SU21

Consumer uses: Private households (= general public = consumers)

PC34

Textile dyes, finishing and impregnating products; including bleaches and other processing aids

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Marabu GmbH & Co. KG

Asperger Strasse 4

71732 Tamm

Germany

Telephone no.

+49-7141/691-0

Fax no.

+49-7141/691-147

Information provided

Department product safety

by / telephone

E-mail address of

PRSI@marabu.com

person responsible

for this SDS

1.4. Emergency telephone number

(+49) (0)621-60-43333

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Water soluble powder preparation containing textile dyes

SECTION 4: First aid measures

4.1. Description of first aid measures

General information



Trade name: Marabu FashionColor 037

Version: 3 / GB

Date revised: 26.01.2015

Substance number: 17400023037-037

Replaces Version: 2 / GB

Print date: 08.12.21

Remove contaminated clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash with plenty of water and soap.

After eye contact

Rinse immediately with plenty of water. If irritation persists, seek medical aid.

After ingestion

Drink water in small gulps. If larger amounts are swallowed or in the event of symptoms take medical treatment.

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water mist, Foam, Dry chemical extinguisher

Non suitable extinguishing media

Carbon dioxide

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); dense black smoke; Nitrogen oxides (NO_x); Sulphur oxides

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Fire residues must be disposed of in a proper manner. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

6.2. Environmental precautions

No special environmental measures are necessary.

6.3. Methods and material for containment and cleaning up

Take off spilled material by sweeping or vacuum cleaning and send for disposal in suitable containers.

6.4. Reference to other sections

Information regarding waste disposal, see Section 13. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage



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Version: 3 / GB

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Replaces Version: 2 / GB

Print date: 08.12.21

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Keep container tightly closed. Avoid skin and eye contact. Smoking, eating and drinking shall be prohibited in application area.

Advice on protection against fire and explosion

The product is capable of dust explosions. Take action to prevent static discharges.

Classification of fires / temperature class / Ignition group / Dust explosion class

Classification of fires A (Flammable solids)

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a dry place. Keep only in original packaging.

7.3. Specific end use(s)

Dyeing colour

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

There are not known any further control parameters.

8.2. Exposure controls

General protective and hygiene measures

Do not breathe dust. Avoid contact with skin and eyes. Take off immediately all contaminated clothing. Keep away from foodstuffs and beverages. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Use barrier skin cream.

Respiratory protection

Dust mask

Hand protection

Protective gloves

Information on material thickness and breakthrough time is not relevant in case of solids.

Eye protection

Safety glasses with side protection shield

Body protection

Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Powder
Colour	coloured
Odour	odourless
Odour threshold	
Remarks	Not applicable
Specific surface	
Remarks	No data available
Particle size	
Remarks	No data available
pH value	



Trade name: Marabu FashionColor 037

Version: 3 / GB

Date revised: 26.01.2015

Substance number: 17400023037-037

Replaces Version: 2 / GB

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Value	5	to	8
Concentration/H ₂ O	10	g/l	
Temperature	20	°C	

Melting point

Remarks No data available

Initial boiling point and boiling range

Remarks Not applicable

Flash point

Remarks Not applicable

Evaporation rate

Remarks Not applicable

Evaporation rate (ether = 1) :

Remarks Not applicable

Flammability (solid, gas)

No data available

Upper/lower flammability or explosive limits

Remarks not determined

Vapour pressure

Remarks Not applicable

Vapour density

Remarks Not applicable

Density

Value	1,0		g/cm ³
Temperature	20	°C	
Method	DIN EN ISO 2811		

Solubility in water

Remarks not determined

Partition coefficient: n-octanol/water

Remarks No data available

Ignition temperature

Remarks not determined

Auto-ignition temperature

Remarks No data available

Decomposition temperature

Remarks not determined

Viscosity

Remarks Not applicable

Explosive properties

evaluation Not applicable

Oxidising properties

evaluation None known

9.2. Other information

Other information

None known



Trade name: Marabu FashionColor 037

Version: 3 / GB

Date revised: 26.01.2015

Substance number: 17400023037-037

Replaces Version: 2 / GB

Print date: 08.12.21

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

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

Acute dermal toxicity

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

Acute inhalational toxicity

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

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Sensitization

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

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Single exposure

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

Repeated exposure

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

Aspiration hazard

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

Experience in practice

According to our today's knowledge no health damage is to be expected with appropriate handling.



Trade name: Marabu FashionColor 037

Version: 3 / GB

Date revised: 26.01.2015

Substance number: 17400023037-037

Replaces Version: 2 / GB

Print date: 08.12.21

Other information

There are no data available on the mixture itself.
The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

SECTION 12: Ecological information

12.1. Toxicity

General information

There are no data available on the mixture itself. Do not allow to enter drains or water courses. The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.

12.2. Persistence and degradability

General information

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

General information

There are no data available on the mixture itself.

Partition coefficient: n-octanol/water

Remarks No data available

12.4. Mobility in soil

General information

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

General information

There are no data available on the mixture itself.

12.6. Other adverse effects

General information

There are no data available on the mixture itself.

General information / ecology

No disturbance of the biological stage in water purification can be expected by introducing in the drainage system with the degree of dilution resulting from application.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 04 02 17 dyestuffs and pigments other than those mentioned in 04 02 16

Incineration in suitable incineration plant, observing local authority regulations.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information



Trade name: Marabu FashionColor 037

Version: 3 / GB

Date revised: 26.01.2015

Substance number: 17400023037-037

Replaces Version: 2 / GB

Print date: 08.12.21

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.-	The product does not constitute a hazardous substance in sea transport.-	The product does not constitute a hazardous substance in air transport.-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Subsidiary risk		-	-
Label			
14.4. Packing group	-	-	-
Transport category	0		
14.5. Environmental hazards	-	no	-

Information for all modes of transport

14.6. Special precautions for user

Transport within the user's premises:

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

no

SECTION 15: Regulatory information

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

VOC

VOC (EU) 0 %
 VOC (EU) 0 g/l

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
 This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.
 The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.



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Version: 3 / GB

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Trade name: Marabu Fashion-Shimmer560,100ml

Version: 9 / GB

Date revised: 11.05.2022

Substance number: 17180050560

Replaces Version: 8 / GB

Print date: 12.05.23

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

1.1. Product identifier

Marabu Fashion-Shimmer560,100ml

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Spray paint

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Marabu GmbH & Co. KG

Asperger Strasse 4

71732 Tamm

Germany

Telephone no. +49-7141/691-0

Information provided Department product safety

by / telephone

E-mail address of PRSI@marabu.com

person responsible

for this SDS

1.4. Emergency telephone number

(+49) (0)621-60-43333

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

EUH208 Contains 2-Methyl-2H-isothiazol-3-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-Benzisothiazol-3(2h)-one, May produce an allergic reaction.

Supplemental information

Labelling according to regulation (EU) No 528/2012 ***

Contains a biocidal product: reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients ***

3.2. Mixtures

Hazardous ingredients ***

Pyridin-2-thiol-1-oxide, sodium salt

CAS No. 3811-73-2

EINECS no. 223-296-5

Concentration >= 0,001 < 0,1 %

Classification (Regulation (EC) No. 1272/2008)



Trade name: Marabu Fashion-Shimmer560,100ml

Version: 9 / GB

Date revised: 11.05.2022

Substance number: 17180050560

Replaces Version: 8 / GB

Print date: 12.05.23

Eye Dam. 1	H318
Acute Tox. 4	H302
Acute Tox. 4	H332
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

Concentration limits (Regulation (EC) No. 1272/2008)

Aquatic Acute 1 H400 M = 100

1,2-Benzisothiazol-3(2h)-one

CAS No. 2634-33-5

EINECS no. 220-120-9

Concentration < 0,05 %

Classification (Regulation (EC) No. 1272/2008)

Aquatic Acute 1	H400
Skin Sens. 1	H317
Acute Tox. 4	H302
Skin Irrit. 2	H315
Eye Dam. 1	H318
Acute Tox. 2	H330
Aquatic Chronic 2	H411

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Sens. 1 H317 >= 0,05

2-Methyl-2H-isothiazol-3-one

CAS No. 2682-20-4

EINECS no. 220-239-6

Concentration < 0,0015 %

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 3	H301
Acute Tox. 2	H330
Skin Corr. 1B	H314
Eye Dam. 1	H318
Aquatic Acute 1	H400
Skin Sens. 1A	H317
Aquatic Chronic 1	H410
Acute Tox. 3	H311

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Sens. 1A H317 >= 0,0015

Aquatic Acute 1 H400 M = 10

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

CAS No. 55965-84-9

Concentration < 0,001 %

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 2	H330
Aquatic Chronic 1	H410
Aquatic Acute 1	H400
Skin Sens. 1A	H317
Skin Corr. 1C	H314
Acute Tox. 2	H310
Acute Tox. 3	H301
Eye Dam. 1	H318

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Corr. 1C H314 >= 0,6

Eye Irrit. 2 H319 >= 0,06 < 0,6

Skin Irrit. 2 H315 >= 0,06 < 0,6



Trade name: Marabu Fashion-Shimmer560,100ml

Version: 9 / GB

Date revised: 11.05.2022

Substance number: 17180050560

Replaces Version: 8 / GB

Print date: 12.05.23

Skin Sens. 1	H317	>= 0,0015
Aquatic Acute 1	H410	M = 100
Aquatic Chronic 1	H410	M = 100
Eye Dam. 1	H318	>= 0,6 %

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Adhere to personal protective measures when giving first aid

Use personal protective equipment in case of possible contact with the product (see section 8).

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray/mist

Non suitable extinguishing media

water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); dense black smoke

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear full chemical protective clothing. Fire fighter's clothing must conform to European standard EN469.

Other information

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.



Trade name: Marabu Fashion-Shimmer560,100ml

Version: 9 / GB

Date revised: 11.05.2022

Substance number: 17180050560

Replaces Version: 8 / GB

Print date: 12.05.23

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Remove persons to safety. Keep away unprotected persons. Avoid contact with skin, eyes and clothing. Avoid breathing vapours. For emergency responders: Wear personal protective equipment. Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2. Environmental precautions

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking shall be prohibited in application area. For personal protection see Section 8. Never use pressure to empty; container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or water courses.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in accordance with national regulation

Hints on storage assembly

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Further information on storage conditions

Observe label precautions. Store between 15 and 30 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Protect from frost. If the storage conditions are not observed, the minimum shelf life is no longer guaranteed. Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

Hobby varnish

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

There are not known any further control parameters.

8.2. Exposure controls

Exposure controls



Trade name: Marabu Fashion-Shimmer560,100ml

Version: 9 / GB

Date revised: 11.05.2022

Substance number: 17180050560

Replaces Version: 8 / GB

Print date: 12.05.23

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Respiratory protection

If workers could be exposed to concentrations above the exposure limit they should use a respirator to EN 140, fitted with a filter suitable for both particulates and vapours, to EN 14387, with an assigned protection factor of at least 10 (e.g. A2P3). Selection of any respiratory protective equipment should ensure that it is adequate to reduce exposure to protect the worker's health and is suitable for the wearer, task and environment, including consideration of the facial features of the wearer.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

Use gloves tested according to EN 374.

For prolonged or repeated handling, use

Appropriate Material	vinyl
Material thickness	> 0,1 mm
Breakthrough time	> 480

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Use safety eyewear tested according to EN 166 designed to protect against splash of liquids.

Body protection

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre. Cotton or cotton/synthetic overalls or coveralls are normally suitable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	coloured
Odour	slightly perceptible
Melting point	
Remarks	Not applicable due to nature of the product
Freezing point	
Remarks	Not applicable due to nature of the product
Boiling point or initial boiling point and boiling range	
Value	appr. 100 °C
Pressure	1.013 hPa
Source	Literature value
Flammability	
Not ignitable	
Upper and lower explosive limits	
Remarks	not determined
Flash point	
Remarks	Not applicable



Trade name: Marabu Fashion-Shimmer560,100ml

Version: 9 / GB

Date revised: 11.05.2022

Substance number: 17180050560

Replaces Version: 8 / GB

Print date: 12.05.23

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks No decomposition if used as prescribed.

pH value

Value 8 to 9,3
Temperature 20 °C
Method WTW PH 340

Viscosity

kinematic

Value > 0,98 mm²/s
Temperature 20 °C
Method derived from dynamic viscosity

Solubility(ies)

Remarks miscible with water

Partition coefficient n-octanol/water (log value)

Remarks Not applicable due to nature of the product

Vapour pressure

Value appr. 23 hPa
Temperature 20 °C
Method Value taken from the literature

Density and/or relative density

Value 1,063 g/cm³
Temperature 20 °C
Method DIN EN ISO 2811

Relative vapour density

Remarks not determined

Particle characteristics

Remarks Not applicable due to nature of the product

SECTION 10: Stability and reactivity

10.1. Reactivity

None

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4. Conditions to avoid

Protect from heat/overheating. When exposed to high temperatures may produce hazardous decomposition products.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture). No decomposition during or intended use (see section 1).



Trade name: Marabu Fashion-Shimmer560,100ml

Version: 9 / GB

Date revised: 11.05.2022

Substance number: 17180050560

Replaces Version: 8 / GB

Print date: 12.05.23

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

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

Acute oral toxicity (Components)

1,2-Benzisothiazol-3(2h)-one

Species	rat		
LD50		1193	mg/kg

Acute dermal toxicity

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

Acute dermal toxicity (Components)

1,2-Benzisothiazol-3(2h)-one

Species	rat		
LD50		4115	mg/kg

Acute inhalational toxicity

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

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Sensitization

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

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Single exposure

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

Repeated exposure

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

Aspiration hazard

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

Other information

There are no data available on the mixture itself.
The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

SECTION 12: Ecological information

12.1. Toxicity

General information

There are no data available on the mixture itself. Do not allow to enter drains or water courses. The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008



Trade name: Marabu Fashion-Shimmer560,100ml

Version: 9 / GB

Date revised: 11.05.2022

Substance number: 17180050560

Replaces Version: 8 / GB

Print date: 12.05.23

and is not classified as dangerous for the environment.

Fish toxicity (Components)

1,2-Benzisothiazol-3(2h)-one

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)	
LC50	2,18	mg/l
Duration of exposure	96	h

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)	
LC50	0,188	mg/l
Duration of exposure	96	h

Daphnia toxicity (Components)

1,2-Benzisothiazol-3(2h)-one

Species	Daphnia magna	
EC50	2,94	mg/l
Duration of exposure	48	h

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Species	Daphnia magna	
EC50	0,126	mg/l
Duration of exposure	48	h

Algae toxicity (Components)

1,2-Benzisothiazol-3(2h)-one

Species	Pseudokirchneriella subcapitata	
ErC50	0,11	mg/l
Duration of exposure	72	h

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Species	Selenastrum capricornutum	
EC50	0,027	mg/l
Duration of exposure	72	h

12.2. Persistence and degradability

General information

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

General information

There are no data available on the mixture itself.

Partition coefficient n-octanol/water (log value)

Remarks Not applicable due to nature of the product

12.4. Mobility in soil

General information

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

General information

There are no data available on the mixture itself.

12.7. Other adverse effects

General information

There are no data available on the mixture itself.

SECTION 13: Disposal considerations



Trade name: Marabu Fashion-Shimmer560,100ml

Version: 9 / GB

Date revised: 11.05.2022

Substance number: 17180050560

Replaces Version: 8 / GB

Print date: 12.05.23

13.1. Waste treatment methods

Disposal recommendations for the product

Do not allow to enter drains or water courses.

Wastes and emptied containers should be classified in accordance with relevant national regulation.

The European Waste Catalogue classification of this product, when disposed of as waste is

For further information contact your local waste authority.

EWC waste code 08 01 19* aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Disposal recommendations for packaging

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.-	The product does not constitute a hazardous substance in sea transport.-	The product does not constitute a hazardous substance in air transport.-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Subsidiary risk		-	-
Label			
14.4. Packing group	-	-	-
Transport category	0		
14.5. Environmental hazards	-	no	-

Information for all modes of transport

14.6. Special precautions for user

Transport within the user's premises:

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information ***



Trade name: Marabu Fashion-Shimmer560,100ml

Version: 9 / GB

Date revised: 11.05.2022

Substance number: 17180050560

Replaces Version: 8 / GB

Print date: 12.05.23

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

VOC

VOC (EU)	0,01	%	
VOC (EU)		0,1	g/l

Other regulations, restrictions and prohibition regulations

The product complies with the requirements of the Persistent Organic Pollutants Regulation 2019/1021.
The product complies with the requirements of Regulation 1005/2009 on substances that deplete the ozone layer.

The product is not subject to Regulation 649/2012 on the export and import of dangerous chemicals.

Other information

All components are contained in the IECSC inventory.
All components are contained in the ECL inventory.
All components are contained in the TSCA inventory or exempted.
All components are contained in the DSL or NDSL inventory.

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
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.

CLP categories listed in Chapter 3

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, Category 1A

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.
The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.



Trade name: Marabu Fashion-Shimmer560,100ml

Version: 9 / GB

Date revised: 11.05.2022

Substance number: 17180050560

Replaces Version: 8 / GB

Print date: 12.05.23

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.



Trade name: Marabu Fashion-Spray 158, 100 ml

Version: 8 / GB

Date revised: 28.09.2022

Substance number: 17190050158

Replaces Version: 7 / GB

Print date: 12.05.23

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

1.1. Product identifier

Marabu Fashion-Spray 158, 100 ml

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Spray paint

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Marabu GmbH & Co. KG

Asperger Strasse 4

71732 Tamm

Germany

Telephone no. +49-7141/691-0

Information provided Department product safety

by / telephone

E-mail address of PRSI@marabu.com

person responsible

for this SDS

1.4. Emergency telephone number

(+49) (0)621-60-43333

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

EUH208 Contains

2-Methyl-2H-isothiazol-3-one, reaction mass of

5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1),

1,2-Benzisothiazol-3(2h)-one, May produce an allergic reaction.

Supplemental information

Labelling according to regulation (EU) No 528/2012 ***

Contains a biocidal product: reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and

2-methyl-2H-isothiazol-3-one (3:1)

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients ***

3.2. Mixtures

Hazardous ingredients ***

Pyridin-2-thiol-1-oxide, sodium salt

CAS No. 3811-73-2

EINECS no. 223-296-5

Concentration >= 0,001 < 0,1 %

Classification (Regulation (EC) No. 1272/2008)



Trade name: Marabu Fashion-Spray 158, 100 ml

Version: 8 / GB

Date revised: 28.09.2022

Substance number: 17190050158

Replaces Version: 7 / GB

Print date: 12.05.23

Eye Dam. 1	H318
Acute Tox. 4	H302
Acute Tox. 4	H332
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

Concentration limits (Regulation (EC) No. 1272/2008)
Aquatic Acute 1 H400 M = 100

1,2-Benzisothiazol-3(2h)-one

CAS No.	2634-33-5
EINECS no.	220-120-9
Concentration	< 0,05 %
Classification (Regulation (EC) No. 1272/2008)	
Aquatic Acute 1	H400
Skin Sens. 1	H317
Acute Tox. 4	H302
Skin Irrit. 2	H315
Eye Dam. 1	H318
Acute Tox. 2	H330
Aquatic Chronic 2	H411

Concentration limits (Regulation (EC) No. 1272/2008)
Skin Sens. 1 H317 >= 0,05

2-Methyl-2H-isothiazol-3-one

CAS No.	2682-20-4
EINECS no.	220-239-6
Concentration	< 0,0015 %
Classification (Regulation (EC) No. 1272/2008)	
Acute Tox. 3	H301
Acute Tox. 2	H330
Skin Corr. 1B	H314
Eye Dam. 1	H318
Aquatic Acute 1	H400
Skin Sens. 1A	H317
Aquatic Chronic 1	H410
Acute Tox. 3	H311

Concentration limits (Regulation (EC) No. 1272/2008)
Skin Sens. 1A H317 >= 0,0015
Aquatic Acute 1 H400 M = 10

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

CAS No.	55965-84-9
Concentration	< 0,001 %
Classification (Regulation (EC) No. 1272/2008)	
Acute Tox. 2	H330
Aquatic Chronic 1	H410
Aquatic Acute 1	H400
Skin Sens. 1A	H317
Skin Corr. 1C	H314
Acute Tox. 2	H310
Acute Tox. 3	H301
Eye Dam. 1	H318

Concentration limits (Regulation (EC) No. 1272/2008)
Skin Corr. 1C H314 >= 0,6
Eye Irrit. 2 H319 >= 0,06 < 0,6
Skin Irrit. 2 H315 >= 0,06 < 0,6



Trade name: Marabu Fashion-Spray 158, 100 ml

Version: 8 / GB

Date revised: 28.09.2022

Substance number: 17190050158

Replaces Version: 7 / GB

Print date: 12.05.23

Skin Sens. 1	H317	>= 0,0015
Aquatic Acute 1	H410	M = 100
Aquatic Chronic 1	H410	M = 100
Eye Dam. 1	H318	>= 0,6 %

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Adhere to personal protective measures when giving first aid

Use personal protective equipment in case of possible contact with the product (see section 8).

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray/mist

Non suitable extinguishing media

water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); dense black smoke

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear full chemical protective clothing. Fire fighter's clothing must conform to European standard EN469.

Other information

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.



Trade name: Marabu Fashion-Spray 158, 100 ml

Version: 8 / GB

Date revised: 28.09.2022

Substance number: 17190050158

Replaces Version: 7 / GB

Print date: 12.05.23

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Remove persons to safety. Keep away unprotected persons. Avoid contact with skin, eyes and clothing. Avoid breathing vapours. For emergency responders: Wear personal protective equipment. Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2. Environmental precautions

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking shall be prohibited in application area. For personal protection see Section 8. Never use pressure to empty; container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or water courses.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in accordance with national regulation

Hints on storage assembly

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Further information on storage conditions

Observe label precautions. Store between 15 and 30 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Protect from frost. If the storage conditions are not observed, the minimum shelf life is no longer guaranteed. Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

Hobby varnish

SECTION 8: Exposure controls/personal protection ***

8.1. Control parameters

Exposure limit values ***

Glycerol

List	EH40	
Type	WEL	
Value	10	mg/m ³



Trade name: Marabu Fashion-Spray 158, 100 ml

Version: 8 / GB

Date revised: 28.09.2022

Substance number: 17190050158

Replaces Version: 7 / GB

Print date: 12.05.23

Status: 2011

Other information

There are not known any further control parameters.

8.2. Exposure controls

Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Respiratory protection

If workers could be exposed to concentrations above the exposure limit they should use a respirator to EN 140, fitted with a filter suitable for both particulates and vapours, to EN 14387, with an assigned protection factor of at least 10 (e.g. A2P3) . Selection of any respiratory protective equipment should ensure that it is adequate to reduce exposure to protect the worker's health and is suitable for the wearer, task and environment, including consideration of the facial features of the wearer.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

Use gloves tested according to EN 374.

For prolonged or repeated handling, use

Appropriate Material	vinyl		
Material thickness	>	0,1	mm
Breakthrough time	>	480	

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Use safety eyewear tested according to EN 166 designed to protect against splash of liquids.

Body protection

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre. Cotton or cotton/synthetic overalls or coveralls are normally suitable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	coloured
Odour	slightly perceptible
Melting point	
Remarks	Not applicable due to nature of the product
Freezing point	
Remarks	Not applicable due to nature of the product
Boiling point or initial boiling point and boiling range	
Value	appr. 100 °C
Pressure	1.013 hPa
Source	Literature value



Trade name: Marabu Fashion-Spray 158, 100 ml

Version: 8 / GB

Date revised: 28.09.2022

Substance number: 17190050158

Replaces Version: 7 / GB

Print date: 12.05.23

Flammability

Not ignitable

Upper and lower explosive limits

Remarks not determined

Flash point

Remarks Not applicable

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks No decomposition if used as prescribed.

pH value

Value 8 to 9,3
Temperature 20 °C
Method WTW PH 340

Viscosity

kinematic

Value > 0,98 mm²/s
Temperature 20 °C
Method derived from dynamic viscosity

Solubility(ies)

Remarks miscible with water

Partition coefficient n-octanol/water (log value)

Remarks Not applicable due to nature of the product

Vapour pressure

Value appr. 23 hPa
Temperature 20 °C
Method Value taken from the literature

Relative vapour density

Remarks not determined

Particle characteristics

Remarks Not applicable due to nature of the product

SECTION 10: Stability and reactivity

10.1. Reactivity

None

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4. Conditions to avoid

Protect from heat/overheating. When exposed to high temperatures may produce hazardous decomposition products.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products



Trade name: Marabu Fashion-Spray 158, 100 ml

Version: 8 / GB

Date revised: 28.09.2022

Substance number: 17190050158

Replaces Version: 7 / GB

Print date: 12.05.23

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture). No decomposition during or intended use (see section 1).

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

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

Acute oral toxicity (Components)

1,2-Benzisothiazol-3(2h)-one

Species	rat		
LD50		1193	mg/kg

Acute dermal toxicity

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

Acute dermal toxicity (Components)

1,2-Benzisothiazol-3(2h)-one

Species	rat		
LD50		4115	mg/kg

Acute inhalational toxicity

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

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Sensitization

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

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Single exposure

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

Repeated exposure

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

Aspiration hazard

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

Other information

There are no data available on the mixture itself.

The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

SECTION 12: Ecological information

12.1. Toxicity

General information



Trade name: Marabu Fashion-Spray 158, 100 ml

Version: 8 / GB

Date revised: 28.09.2022

Substance number: 17190050158

Replaces Version: 7 / GB

Print date: 12.05.23

There are no data available on the mixture itself. Do not allow to enter drains or water courses. The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.

Fish toxicity (Components)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)	
LC50	0,188	mg/l
Duration of exposure	96	h

1,2-Benzisothiazol-3(2h)-one

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)	
LC50	2,18	mg/l
Duration of exposure	96	h

Daphnia toxicity (Components)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Species	Daphnia magna	
EC50	0,126	mg/l
Duration of exposure	48	h

1,2-Benzisothiazol-3(2h)-one

Species	Daphnia magna	
EC50	2,94	mg/l
Duration of exposure	48	h

Algae toxicity (Components)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Species	Selenastrum capricornutum	
EC50	0,027	mg/l
Duration of exposure	72	h

1,2-Benzisothiazol-3(2h)-one

Species	Pseudokirchneriella subcapitata	
ErC50	0,11	mg/l
Duration of exposure	72	h

12.2. Persistence and degradability

General information

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

General information

There are no data available on the mixture itself.

Partition coefficient n-octanol/water (log value)

Remarks Not applicable due to nature of the product

12.4. Mobility in soil

General information

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

General information

There are no data available on the mixture itself.

12.7. Other adverse effects

General information

There are no data available on the mixture itself.



Trade name: Marabu Fashion-Spray 158, 100 ml

Version: 8 / GB

Date revised: 28.09.2022

Substance number: 17190050158

Replaces Version: 7 / GB

Print date: 12.05.23

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Do not allow to enter drains or water courses.
 Wastes and emptied containers should be classified in accordance with relevant national regulation.
 The European Waste Catalogue classification of this product, when disposed of as waste is
 For further information contact your local waste authority.
 EWC waste code 08 01 19* aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Disposal recommendations for packaging

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.
 Empty containers must be scrapped or reconditioned.
 Dispose of containers contaminated by the product in accordance with local or national legal provisions.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.-	The product does not constitute a hazardous substance in sea transport.-	The product does not constitute a hazardous substance in air transport.-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Subsidiary risk		-	-
Label			
14.4. Packing group	-	-	-
Transport category	0		
14.5. Environmental hazards	-	no	-

Information for all modes of transport

14.6. Special precautions for user

Transport within the user's premises:
 Always transport in closed containers that are upright and secure.
 Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

14.7 Maritime transport in bulk according to IMO instruments

Not applicable



Trade name: Marabu Fashion-Spray 158, 100 ml

Version: 8 / GB

Date revised: 28.09.2022

Substance number: 17190050158

Replaces Version: 7 / GB

Print date: 12.05.23

SECTION 15: Regulatory information

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

VOC

VOC (EU) 0,08 %

Other regulations, restrictions and prohibition regulations

The product complies with the requirements of the Persistent Organic Pollutants Regulation 2019/1021.

The product complies with the requirements of Regulation 1005/2009 on substances that deplete the ozone layer.

The product is not subject to Regulation 649/2012 on the export and import of dangerous chemicals.

Other information

All components are contained in the ECL inventory.

All components are contained in the DSL or NDSL inventory.

All components are contained in the TSCA inventory or exempted.

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
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.

CLP categories listed in Chapter 3

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, Category 1A

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.



Trade name: Marabu Fashion-Spray 158, 100 ml

Version: 8 / GB

Date revised: 28.09.2022

Substance number: 17190050158

Replaces Version: 7 / GB

Print date: 12.05.23

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.