

SAFETY DATA SHEET

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
10103 titanium opaque white - 10105 translucent white - 10206 burnt ochre light - 10207 Medieval yellow - 10479 sapphire blue - 10486 royal ble deep - 10487 manganese cerulean blue - 10495 Byzantine blue - 10529 viridian - 10784 bluish grey 1 - 10785 bluish grey 2 - 10787 brownish grey 1 - 10790 shade grey - 10792 dove grey

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

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

10103 PW6, PW4
10105 PW4, PW6
10206 PW4, PY42, PR101
10207 PW4, PW6, PY53
10479 PB29, PB15:6, PW4
10486 PW4, PW6, PB29, PB15:3
10487 PW4, PB15:3, PB16
10495 PB60, PBk11, PW4
10529 PW4, PY184, PG18
10784 PW4, PW6, PY42, PBk10
10785 PW4, PW6, PBk10
10787 PW4, PW6, PY155, PV15
10790 PG18, PY42, PBk11, PW4
10792 PR101, PW4, PBk11

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: 2,5 - <25 %
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.

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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

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

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

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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 exposur	10,000	mg/m ³	2(II)
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DNEL overview

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

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boiling range
Melting point/freezing point
Flash point/flash point range
Flammability
Ignition temperature
Auto-ignition temperature
Explosion limits
Refraction index
PH
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

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General remarks

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects

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

LC50	fish		9,20000	mg/L	(96h)
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 : \geq 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

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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
IATA

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

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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

Europe

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.

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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

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Reason of change

Additional information