

# SAFETY DATA SHEET

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

## series 10 - MUSSINI (with zinc oxide pigments)

Article No.

Version

4 ( 01.03.17 )

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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 flesh tint - 10207 Medieval yellow - 10479 cobalt blue hue - 10486 royal blue 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

#### 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-Str. 2  
D - 40699 Erkrath  
Tel. +49 (0) 211-2509-0  
Fax. +49 (0) 211-2509-497  
info@schmincke.de  
www.schmincke.de

Dept. responsible for information

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  
Phone #

Emergencycall Berlin  
(24h - counseling in german and english)  
+49 (0) 30-30686790

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

no hazard labelling required

#### 2.2 Label elements

##### Labelling (CLP)

Signal word

Hazard statements

no hazard labelling required

Safety precautions

#### 2.3 Other hazards

### SECTION 3: Composition / information on ingredients

#### 3.1 Substances

Chemical characterisation

oil  
pigment

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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	Substance 2
solvent naphtha (petroleum), light, aromatic: 1-5 % CAS: 64742-95-6 REACH: 01-2119455851-35 Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / Flam. Liq. 3; H226 / STOT SE 3; H335 / STOT SE 3; H336 / EUH066	zinc oxide: 2,5-25 % CAS: 1314-13-2 REACH: 01-2119463881-32-0043 Aquatic Acute 1; H400 / Aquatic Chronic 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

## 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

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### 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

1314-13-2 zinc oxide

DEU	E-dust	1,250	mg/m <sup>3</sup>	4(I)
DEU		10,000	mg/m <sup>3</sup>	2(II)

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

DEU	WEL	100,000	mg/m <sup>3</sup>	TRGS 900
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### 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.

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### 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

Refraction index

Partition coefficient: n-octanol/water

Danger of explosion

Vapour pressure

Density 1,6 - 20 °C  
3,1 g/ml

PH value

Viscosity dynamic of

Viscosity dynamic up to

Viscosity kinematic of

Viscosity kinematic up to

### 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

1314-13-2 zinc oxide

oral	LD50	Rat	>	10000,000	mg/kg	-
inhalative	LC50	Rat	>	5,700	mg/l	(4h)

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

oral	LD50	Rat	>	2000,000	mg/kg	-
dermal	LD50	Rat	>	2000,000	mg/kg	-

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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### 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

### Toxicological tests

1314-13-2	zinc oxide	EC50	Algae		0,170	mg/l	(72h)
64742-95-6	solvent naphtha (petroleum), light, aromatic	LC50	fish	>	10,000	mg/l	-
		LC50	Algae	>	10,000	mg/l	-

## SECTION 12: Ecological information

### 12.1 Toxicity

#### 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**

### Ecotoxicological effects

## 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

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Recommendation

### Contaminated packaging

Waste key number  
Recommendation

### 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  
IATA

### 14.4 Packing group

### 14.5 Environmental hazards

Marine Pollutant - IMDG  
Marine Pollutant - ADN

### 14.6 Special precautions for user

#### Land transport

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

#### Inland waterway craft

Hazard label  
Limited quantities  
Transport permitted  
Equipment necessary  
Ventilation  
Remarks  
EQ  
Special provisions

#### Sea transport

EmS  
Special provisions  
Limited quantities  
Contaminated packaging: Instructions

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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

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

##### 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

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### USA

Further regulations, limitations and legal requirements  
Federal Regulations  
State Regulations

### Japan

Further regulations, limitations and legal requirements

### Canada

Further regulations, limitations and legal requirements

## 15.2 Chemical Safety Assessment

## SECTION 16: Other information

### Further information

<b>Hazard statements (CLP)</b>	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.
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### **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 a 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**

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.