

# 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  
10101 flake white subst. - 10102 zinc white - 10224 brilliant yellow - 10485 royal blue light -  
10788 brownish grey 2

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

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

**General use**  
Products for creation of art.

**Uses advised against**

#### 1.3 Details of the supplier of the safety data sheet

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

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

#### 1.4 Emergency telephone number

**Emergency  
Information**

**Emergencycall Berlin  
+49 30-30686700  
(24/7 counseling in german and english)**

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

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

#### 2.2 Label elements

##### Labelling

##### Signal word

##### Hazard statements

no hazard labelling required

##### Safety precautions

##### Hazard components for labelling

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### Text for labelling (CLP)

### 2.3 Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

#### Chemical characterisation

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

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

### 3.2 Mixtures

#### Substance 1

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

#### Substance 2

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

#### Additional information

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

No special measures are required.

#### In case of inhalation

#### In case of skin contact

#### After eye contact

#### After swallowing

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

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

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### 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

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

DEU	short-term occupational exposu	20,000	mg/m <sup>3</sup>	4(I)
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DEU	Long-term occupational exposur	10,000	mg/m <sup>3</sup>	2(II)
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64742-95-6 solvent naphtha (petroleum), light, aromatic

DNEL worker	Long-term - inhalation, system	150,00000	mg/m <sup>3</sup>
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 <sup>3</sup>
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 <sup>3</sup>
DNEL worker	Long-term - inhalation, local	0,50000	mg/m <sup>3</sup>
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 <sup>3</sup>
DNEL Consumer	Long-term - dermal, systemic e	83,00000	mg/kg bw/day

### PNEC overview

1314-13-2 zinc oxide

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

## 8.2 Exposure controls

### Occupational exposure controls

#### Respiratory protection

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

#### Hand protection

Protect skin by using skin protective cream.

#### Eye protection

Avoid contact with eyes.

#### Body protection

Wash contaminated clothing prior to re-use.

#### General protection and hygiene measures

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

## SECTION 9: Physical and chemical properties

### 9.1 information on basic physical and chemical properties

Form pasty  
Colour pigmented  
Odour weak

min

max

Initial boiling point and  
boiling range

Melting point/freezing point

Flash point/flash point range

Flammability

Ignition temperature

Auto-ignition temperature

Explosion limits

Refraction index

PH

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Viscosity  
Viscosity

Vapour pressure  
Density

1,6 - 3,1  
g/ml

20 °C

Partition coefficient: n-octanol/water

Danger of explosion

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

### 10.3 Possibility of hazardous reactions

### 10.4 Conditions to avoid

frost and heat

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Toxicological tests

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

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

#### Toxicological tests

1314-13-2 zinc oxide

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

#### Acute toxicity

##### In case of inhalation

No data available

##### After swallowing

No data available

##### In case of skin contact

No data available

##### After eye contact

No data available

### Practical experience

### General remarks

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Ecotoxicological effects

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

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

### Ecotoxicological effects

1314-13-2 zinc oxide

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

### Aquatic toxicity

EC50 Desmodesmus subspicatus :  $\geq$  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

### 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

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### 14.4 Packing group

### 14.5 Environmental hazards

Marine Pollutant - IMDG  
Marine Pollutant - ADN

### 14.6 Special precautions for user

#### Land transport (ADR/RID)

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

#### Sea transport (IMDG)

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

#### Air transport (IATA-DGR)

Hazard  
Passenger  
Passenger LQ  
Cargo  
ERG  
Remarks  
EQ  
Special Provisioning

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

No data available

## SECTION 15: Regulatory information

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

#### National regulations

##### Europe

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

### Germany

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

### Denmark

Further regulations, limitations and legal requirements

### Hungary

Further regulations, limitations and legal requirements

### Great Britain

Further regulations, limitations and legal requirements

### Switzerland

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

### USA

Further regulations, limitations and legal requirements  
Federal Regulations  
State Regulations

### Canada

Further regulations, limitations and legal requirements

## 15.2 Chemical Safety Assessment

## SECTION 16: Other information

### Further information

<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 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



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R.20 (Table of terms and abbreviations).

**Reason of change**

**Additional information**