

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)

Issue date: 07.03.17
Page 1 / 8

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

1.1 Product identifier

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

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
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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
Dammar resin
siccative

SAFETY DATA SHEET

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

series 10 - MUSSINI (with zinc oxide pigments)

Article No.		Issue date:	07.03.17
Version	4 (01.03.17)	Page	2 / 8

essential oils

CAS-Number

EINECS / ELINCS / NLP

EU index number

Customs tariff number

REACH registration No.

RTECS-no.

Hazchem-Code

CI-Number

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 / Flam. Liq. 3; H226 / STOT SE 3; H335 / STOT SE 3; H336 / EUH066

Substance 2

zinc oxide: 25-75 %
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

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

SAFETY DATA SHEET

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

series 10 - MUSSINI (with zinc oxide pigments)

Article No. Issue date: 07.03.17
Version 4 (01.03.17) Page 3 / 8

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 ³	4 (I)
DEU		10,000	mg/m ³	2 (II)

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

DEU	WEL	100,000	mg/m ³	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.

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

SAFETY DATA SHEET

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

series 10 - MUSSINI (with zinc oxide pigments)

Article No. Issue date: 07.03.17
Version 4 (01.03.17) Page 4 / 8

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

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

SAFETY DATA SHEET

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

series 10 - MUSSINI (with zinc oxide pigments)

Article No. Issue date: 07.03.17
Version 4 (01.03.17) Page 5 / 8

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 : >= 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
Recommendation

Contaminated packaging

Waste key number
Recommendation

Additional information

SECTION 14: Transport information

14.1 UN number

14.2 UN proper shipping name

SAFETY DATA SHEET

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

series 10 - MUSSINI (with zinc oxide pigments)

Article No.		Issue date:	07.03.17
Version	4 (01.03.17)	Page	6 / 8

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
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

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)

Issue date: 07.03.17
Page 7 / 8

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

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

SAFETY DATA SHEET

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

series 10 - MUSSINI (with zinc oxide pigments)

Article No.		Issue date:	07.03.17
Version	4 (01.03.17)	Page	8 / 8

15.2 Chemical Safety Assessment

SECTION 16: Other information

Further information

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