

SAFETY DATA SHEET

00473-1114

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MSDS for #00473 - SCHMINCKE-MUSSINI Regulation (EC) No. 1907/2006 (REACH)

series 10 - MUSSINI (with zinc oxide pigments)

Article No.	10101 - 10102 - 10224 - 10485 - 10788	Issue date:	14.02.23
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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 brillant yellow - 10485 royal blue light -
10788 brownish grey 2

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
sdb@schmincke.de

1.4 Emergency telephone number

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 mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

Labelling

Signal word ---

Hazard statements
no hazard labelling required

Safety precautions ---

Text for labelling (CLP) ---

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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 ---
REACH registration 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

naphta (petroleum), hydrotreated heavy: < 3,0%
CAS: 64742-48-9
REACH: 01-2119457273-39-xxxx
Asp. Tox. 1; H304

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

If you feel unwell, seek medical advice (show the label where possible).

In case of inhalation

No special measures are required.

In case of skin contact

Thoroughly wash skin with soap and water.
Seek medical attention if irritation persists.

After eye contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Seek medical attention if irritation persists.

After swallowing

Rinse mouth with water. Let water be drunken in little sips (dilution effect).
If you feel unwell, seek medical advice.

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

none

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: from 15 °C to 25 °C

7.3 Specific end use(s)

No special measures necessary if stored and handled as prescribed.

SECTION 8: Exposure controls/personal protection

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8.1 Control parameters

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64742-48-9 naphta (petroleum), hydrotreated heavy

DEU	WEL	300,000	mg/m ³	2 (II)
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1314-13-2 zinc oxide

DEU	short-term occupational exposu	20,000	mg/m ³	4 (I)
-----	--------------------------------	--------	-------------------	-------

DEU	Long-term occupational exposur	10,000	mg/m ³	2 (II)
-----	--------------------------------	--------	-------------------	--------

DNEL overview

64742-48-9 naphta (petroleum), hydrotreated heavy

DNEL worker	Long-term - dermal, systemic effects	300,00000	mg/kg
DNEL Consumer	Long-term - oral, systemic effects	300,00000	mg/kg
DNEL Consumer	Long-term - inhalation, systemic effects	900,00000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic effects	300,00000	mg/kg

DNEL overview

1314-13-2 zinc oxide

DNEL worker	Long-term - inhalation, systemic effects	5,00000	mg/m ³
DNEL worker	Long-term - inhalation, local effects	0,50000	mg/m ³
DNEL worker	Long-term - dermal, systemic effects	83,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic effects	0,83000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, systemic effects	2,50000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic effects	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 (STP)	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

After work, wash hands and face.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form	pasty
Colour	pigmented
Odour	weak

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	min	max		
Melting point/freezing point	---	---		
Initial boiling point and boiling range	---	---		
Flammability		---		
Explosion limits	---	---		
Flash point/flash point range	---	---		
Ignition temperature	---	---		
PH	---	---	---	---
Viscosity	---	---	---	---
Solubility		---	---	---
Partition coefficient: n-octanol/water		---		
Vapour pressure		---	---	---
Density and/or relative density		1,6 - 3,1 g/ml	20 °C	---
Relative vapour density	---	---	---	---

Auto-ignition temperature	---	---	---
Refraction index	---	---	---

Danger of explosion ---

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

frost and heat

10.5 Incompatible materials

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Toxicological tests

64742-48-9 naphta (petroleum), hydrotreated heavy

oral	LD50	Rat	>	2000,00000	mg/kg	-
dermal	LD50	Rabbit	>	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)

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Toxicokinetics, metabolism and

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distribution

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

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects
64742-48-9 naphta (petroleum), hydrotreated heavy

LC50	fish	>	1000,00000	mg/L	-
EC50	Algae	>	1000,00000	mg/L	-

Ecotoxicological effects
1314-13-2 zinc oxide

LC50	Danio rerio (zebrafish)		4,92000	mg/L	(96h)
EC50	Daphnia magna (Big water)		7,50000	mg/L	(48h)
ErC50:	Algae		0,30000	mg/L	(72h)
NOEC	Daphnia magna (Big water)		0,05800	mg/L	(21d)
LOEC:	Daphnia magna (Big water)		0,13100	mg/L	(21d)

Aquatic toxicity
EC50 Desmodesmus subspicatus AGW ... 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
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12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

12.7 Other adverse 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

Package

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 or ID 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 (ADR/RID)

Code ADR/RID
Reg. Number: 00473-1114, 00473-1243, 00473-2131, 00473-2134, 00473-4933, 00473-4934, 00473-5993, 00473-5994

Kemmler-number ---

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Hazard label ADR ---
Limited quantities ---
Package: Instructions ---
Package: 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 ---
Package: Instructions ---
Package: 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 Maritime transport in bulk according to IMO instruments

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, 00473-1243, 00473-2131, 00473-2134, 00473-4933, 00473-4934, 00473-5993, 00473-5994
WGK catalog number ---

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Incident regulation ---
Information on working limitations ---

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.
- 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

REGULATION (EU) 2020/217 - ATP 14

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

Die Angaben in diesem Datenblatt sind nach bestem Wissen zusammengestellt und entsprechen dem Stand der Kenntnis zum Überarbeitungsdatum 00473-1243, 00473-2131, 00473-2134, 00473-4933, 00473-4934, 00473-5993, 00473-5994
Sie sichern jedoch nicht die Einhaltung bestimmter Eigenschaften im Sinne der Rechtsverbindlichkeit zu.

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