SAFETY DATA SHEET

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

series 10 - MUSSINI golds

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

1.1 Product identifier

Trade name

series 10 - MUSSINI
finest artists' resin-oil-colours
.
10 860 - white gold
10 861 - renaissance gold
10 862 - antique gold
10 863 - yellow gold
10 864 - gold bronze
10 865 - rose gold
10 866 - copper

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

Department responsible for information

Schmincke-labor:
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 (24h - counseling in german and english)**
Phone #	**+49 (0) 30-30686700**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Aquatic Acute 1; H400 Very toxic to aquatic life.
Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.
Eye Irrit. 2; H319 Causes serious eye irritation.

2.2 Label elements

Labelling

Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.

Safety precautions

P102 Keep out of reach of children.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P273 Avoid release to the environment.

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	
REACH registration No.	
Hazchem-Code	
CI-Number	10 860 - copper-zinc-alloy; aluminium 10 861 - copper-zinc-alloy 10 862 - copper-zinc-alloy 10 863 - copper-zinc-alloy; mica 10 864 - copper-zinc-alloy; aluminium; copper 10 865 - copper-zinc-alloy 10 866 - copper

3.2 Mixtures

Substance 1

copper: 5 < 40 %
CAS: 7440-50-8
REACH: 01-2119480154-42

Acute Tox. 4; H302 / Aquatic Acute 1; H400 / Aquatic Chronic 2; H411 / Eye Irrit. 2; H319

Substance 2

aluminium: 0 < 30 %
CAS: 7429-90-5
REACH: 01-2119529243-45

Flam. Sol. 1; H228

Substance 3

zinc powder - zinc dust (stabilized): 0 < 20 %
CAS: 7440-66-6
REACH: 01-2119467174-37

Aquatic Acute 1; H400 / Aquatic Chronic 1; H410

Substance 4

propan-2-ol: 0 < 15 %
CAS: 67-63-0
REACH: 01-2119457558-25

Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3; H336

Substance 5

naphta (petroleum), hydrotreated heavy: 2,5 < 5,0 %
CAS: 64742-48-9
REACH: 01-2119457273-39-xxxx

Asp. Tox. 1; H304 / not required; EUH066

Substance 6

2,2,4,6,6-pentamethylheptane: 2,5 < 5,0 %
CAS: 13475-82-6
REACH: 01-2119490725-xxx

Aquatic Chronic 4; H413 / Asp. Tox. 1; H304 / Flam. Liq.

3; H226

Substance 7

ethanol: 0 < 3 %
CAS: 64-17-5
REACH: 01-2119457610-43-XXXX

Eye Irrit. 2; H319 / Flam. Liq. 2; H225

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

Move victim to fresh air. Seek medical attention if problems persist.

In case of skin contact

Thoroughly wash skin with soap and water. In case of skin irritation, consult a physician.

After eye contact

Seek medical attention if irritation persists.

After swallowing

Rinse mouth immediately and drink plenty of water. Rinse mouth immediately and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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

7440-50-8 copper

DEU	WEL	1,000	mg/m³	2 (II); DFG

7429-90-5 aluminium

DEU	WEL	10,000	mg/m³	2(II); AGS; DFG

7440-66-6 zinc powder - zinc dust (stabilized)

DEU	WEL	2,000	mg/m³	2 (II); DFG

67-63-0 propan-2-ol

DEU	WEL	200,000	mL/m³	-
DEU	WEL	500,000	mg/m³	2(II); DFG; Y

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

DEU	WEL	300,000	mg/m³	-

13475-82-6 2,2,4,6,6-pentamethylheptane

DEU	WEL	300,000	mg/m³	-

64-17-5 ethanol

DEU	WEL	200,000	mL/m³	-
DEU	WEL	380,000	mg/m³	2(II); DGF; Y
USA	PEL (US)	1.000,000	ppm	8h (long term)
USA	PEL (US)	1.900,000	mg/m³	8h (long term)

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.
Respiratory protection must be worn whenever the WEL levels have been exceeded. Combination filtering device (EN 14387)
Use filter type A (= against vapours of organic substances)

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 value			
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

7440-50-8 copper

oral	LD50	Rat		1430,00000	mg/kg	-

Toxicological tests

7429-90-5 aluminium

inhalative	LC50	Rat	>	5,00000	mg/L	(4h)

Toxicological tests

7440-66-6 zinc powder - zinc dust (stabilized)

oral	LD50	Rat	>	2000,00000	mg/kg	-
inhalative	LC50	Rat		5,41000	mg/L	4h

Toxicological tests

67-63-0 propan-2-ol

oral	LD50	Rat	>=	5050,00000	mg/kg	-
dermal	LD50	Rabbit		12800,00000	mg/kg	-

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

64-17-5 ethanol

oral	LD50	Rat		10470,00000	mg/kg	-
inhalative	LC50	Rat		38,00000	mg/L	(4h)
inhalative	LC50	Mouse	>	20,00000	mg/L	(4h)
dermal	LD50	Rabbit	>	2000,00000	mg/kg	-

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

67-63-0 propan-2-ol

LC50	fish	>	1000,00000	mg/L	(96h)

Ecotoxicological effects

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

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

Ecotoxicological effects

64-17-5 ethanol

LC50	Leuciscus idus		8140,00000	mg/L	48h
EC50	Chlorella vulgaris		275,00000	mg/L	(72h)
EC50	Daphnia magna	>	10000,00000	mg/L	48h

Aquatic toxicity

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

3082

14.2 UN proper shipping name

ADR, ADN	Environmentally hazardous substance, liquid n.o.s.
IMDG, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard class(es)

ADR, ADN	9
IMDG	9
IATA	9

14.4 Packing group

III

14.5 Environmental hazards

Marine Pollutant - IMDG	Yes

14.6 Special precautions for user

Land transport (ADR/RID)

Code: ADR/RID	M6
Kemmler-number	90

Hazard label ADR	9
Limited quantities	5l
Contaminated packaging: Instructions	P001 - IBC03 - LP01 - R001
Contaminated packaging: Special provisions	PP1
Special provisions for packing together	MP19
Portable tanks: Instructions	T4
Portable tanks: Special provisions	TP1 - TP29
Tank coding	LGBV
Tunnel restriction	-
Remarks	
EQ	E1
Special provisions	274 - 335 - 375 - 601

Sea transport (IMDG)

EmS	F-A, S-F
Special provisions	274 - 335 - 969
Limited quantities	5l
Contaminated packaging: Instructions	P001 - LP01
Contaminated packaging: Special provisions	PP1
IBC: Instructions	IBC03
IBC: Provisions	-
Tank instructions IMO	-
Tank instructions UN	T4
Tank instructions Special provisions	TP1 - TP29
Stowage and segregation	category A
Properties and observations	
Remarks	
EQ	E1

Air transport (IATA-DGR)

Hazard	-
Passenger	964 (450l)
Passenger LQ	Y964 (30kg G)
Cargo	964 (450l)
ERG	9L
Remarks	
EQ	E1
Special Provisioning	A97 - A158 - A197

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. 8 %
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

15.2 Chemical Safety Assessment

SECTION 16: Other information

Further information

Hazard statements (CLP)

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H228 Flammable solid.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye 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.
H413 May cause long lasting harmful effects to aquatic life.

Further information

This information is abased 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