

# SAFETY DATA SHEET

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

## series 10 - MUSSINI golds

Article No.  
Version 3 ( 01.03.17 )

Issue date: 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**  
**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

##### 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)

Aquatic Acute 1; H400 Very toxic to aquatic life.  
Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (CLP)



##### Signal word

Warning

##### Hazard statements

H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

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### Safety precautions

P102 Keep out of reach of children.  
P273 Avoid release to the environment.

### 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

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

#### Substance 3

zinc powder - zinc dust (stabilized): 2-20 %  
CAS: 7440-66-6  
REACH: 01-2119467174-37  
Aquatic Acute 1; H400 / Aquatic Chronic 1; H410

#### Substance 5

hydrocarbons, C4, 1,3-butadiene-free, polymd.,  
triisobutylene fraction, hydrogenated: 0-8 %  
CAS: 93685-81-5  
REACH: 01-2119490725-xxxx  
Aquatic Chronic 4; H413 / Asp. Tox. 1; H304 / Flam. Liq.  
3; H226

#### Substance 2

aluminium: 0-30 %  
CAS: 7429-90-5  
REACH: 01-2119529243-45  
Flam. Sol. 1; H228

#### 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 6

naphtha (petroleum), heavy alkylate: 0-2 %  
CAS: 64741-65-7  
REACH: 01-2119471991-xxxx  
Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / Flam. Liq.  
3; H226

### Additional information

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

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### 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

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

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### 8.1 Control parameters

7440-50-8 copper

DEU	WEL	1,000	mg/m <sup>3</sup>	-
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7429-90-5 aluminium

DEU	WEL	10,000	mg/m <sup>3</sup>	-
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7440-66-6 zinc powder - zinc dust (stabilized)

DEU	WEL	2,000	mg/m <sup>3</sup>	-
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67-63-0 propan-2-ol

DEU	WEL	200,000	mL/m <sup>3</sup>	-
DEU	WEL	500,000	mg/m <sup>3</sup>	2(II); DFG; Y

### 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

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

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### 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

7440-50-8	copper	oral	LD50	Rat		1430,000	mg/kg	-
7429-90-5	aluminium	inhalative	LC50	Rat	>	5,000	mg/l	4h
7440-66-6	zinc powder - zinc dust (stabilized)	oral	LD50	Rat	>	2000,000	mg/kg	-
		inhalative	LC50	Rat		5,410	mg/l	4h
67-63-0	propan-2-ol	oral	LD50	Rat	>=	5050,000	mg/kg	-
64741-65-7	hydrocarbons, C10-C12, isoalkanes, <2% aromatics	oral	LD50	Rat	>	5000,000	mg/kg	-
		dermal	LD50	mg/kg	>	5000,000	Rat	-

## 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

### General remarks

### Toxicological tests

67-63-0	propan-2-ol	LC50	fish	>	1000,000	mg/l	(96h)
64741-65-7	hydrocarbons, C10-C12, isoalkanes, <2% aromatics	LC50	fish	>	100,000	mg/l	-
		EC50	Daphnia magna (Big water)	>	100,000	mg/l	-

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

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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

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  
Marine Pollutant - ADN

### 14.6 Special precautions for user

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### Land transport

Code: ADR/RID	M6
Kemmler-number	90
Hazard label ADR	9
Limited quantities	5I
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	E
Remarks	
EQ	E1
Special provisions	274 - 335 - 375 - 601

### Inland waterway craft

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

### Sea transport

EmS	F-A, S-F
Special provisions	274 - 335 - 969
Limited quantities	5I
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

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

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### 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.
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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