

**SAFETY DATA SHEET**

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

**series 15****Oil-Bronzes (without silver)**

Article No.		Issue date:	24.01.18
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

- 15 801 - rich gold
- 15 802 - rich pale gold
- 15 803 - pale bold
- 15 804 - 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) 30-30686700
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**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to EC regulation 1272/2008 (CLP)**

Acute Tox. 4; H302 Harmful if swallowed.  
 Aquatic Chronic 1; H410 Very toxic to aquatic life with long lasting effects.

**2.2 Label elements****Labelling (CLP)**

Signal word

Warning

Hazard statements

H302 Harmful if swallowed.  
 H410 Very toxic to aquatic life with long lasting effects.

Safety precautions

P102 Keep out of reach of children.

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P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.  
P312 Call a POISON CENTER/doctor if you feel unwell.

**2.3 Other hazards****SECTION 3: Composition / information on ingredients****3.1 Substances****Chemical characterisation**

Copper-zinc-alloy (15 801 - 15 803), Copper-paste (15 804)

CAS-Number  
EINECS / ELINCS / NLP  
EU index number  
Customs tariff number  
REACH registration No.  
RTECS-no.  
Hazchem-Code  
CI-Number

**3.2 Mixtures**

Substance 1
copper: 50-100 % CAS: 7440-50-8
Acute Tox. 4; H302 / Aquatic Acute 1; H400 / Aquatic Chronic 2; H411

Substance 3
naphtha (petroleum), hydrotreated heavy: 0-20 % CAS: 64742-48-9 REACH: 01-2119457273-39-xxxx Asp. Tox. 1; H304 / EUH066

Substance 2
zinc powder - zinc dust (stabilized): 0 - 50 % CAS: 7440-66-6 REACH: 01-2119467174-37
Aquatic Acute 1; H400 / Aquatic Chronic 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**

If victim is at risk of losing consciousness, position and transport on their side. Seek medical attention if problems persist.

**In case of skin contact**

Wash with generous amount of water and soap.

**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**

Keep airway open. Do not give fatty oils and milk. Seek medical treatment in case of troubles.

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

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**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**

water Full water jet

**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****Advises on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation.

**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

Protect from moisture contamination.

**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

DEI	REL		1,000	mg/m <sup>3</sup>	-
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7440-66-6 zinc powder - zinc dust (stabilized)

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DBP	REL.	2,000	mg/m <sup>3</sup>	-
64742-48-9      naphta (petroleum), hydrotreated heavy				
DBP	REL.	100,000	mg/kg	-
DBP	REL.	600,000	mg/m <sup>3</sup>	-

**8.2 Exposure controls****Occupational exposure controls****Respiratory protection**

With the formation of dust, use a dust mask.

**Hand protection**

Protect skin by using skin protective cream.

**Eye protection**

Goggles

**Body protection**

Wear suitable protective clothing. 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	Powder		
Colour	pigmented		
Odour	almost odourless		
	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	ca.	1,5 g/ml	20 °C
Density			
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**

No hazardous reaction when handled and stored according to provisions.

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**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**

strong acids oxidizing agents Strong alkali

**10.6 Hazardous decomposition products**

No known hazardous decomposition products.

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

oral	LD50	Rat	>	2000,000	mg/kg	-
inhalative	LC50	Rat		5,410	mg/l	4h

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

oral	LD50	Rat	>	5000,000	mg/kg	-
inhalative	LC50	Rat	>	4900,000	mg/m <sup>3</sup>	(4h)
dermal	LD50	Rabbit	>	5000,000	mg/kg	-

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

No data available

**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**

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

LC50	fish	>	1000,000	mg/l	-
LC50	Algae	>	1000,000	mg/l	-

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity**

Water Hazard Class

1

WGK catalog number

General Information

**12.2 Persistence and degradability**

Further details

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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**

3077

**14.2 UN proper shipping name**

ADR, ADN Environmentally hazardous substance, solid, n.o.s.  
IMDG, IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, 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****Land transport**

Code: ADR/RID M7  
Kemmler-number 90  
Hazard label ADR 9

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Limited quantities	5kg		
Contaminated packaging: Instructions	P002 - IBC08 - LP02 - R001		
Contaminated packaging: Special provisions	PP12 - B3		
Special provisions for packing together	MP10		
Portable tanks: Instructions	T1 - BK1 - BK2 - BK3		
Portable tanks: Special provisions	TP33		
Tank coding	SGAV/LGBV		
Tunnel restriction	-		
Remarks	-		
EQ	E1		
Special provisions	274 - 335 - 375 - 601		
<b><u>Inland waterway craft</u></b>			
Hazard label			
Limited quantities			
Transport permitted			
Equipment necessary			
Ventilation			
Remarks			
EQ			
Special provisions			
<b><u>Sea transport</u></b>			
EmS	F-A, S-F		
Special provisions	274 - 335 - 966 - 967 - 969		
Limited quantities	5kg		
Contaminated packaging: Instructions	P002 - LP02		
Contaminated packaging: Special provisions	PP12		
IBC: Instructions	IBC08		
IBC: Provisions	B3		
Tank Instructions IMO	-		
Tank Instructions UN	T1 - BK1 - BK2 - BK3		
Tank Instructions Special provisions	TP33		
Stowage and segregation	category A SW23		
Properties and observations			
Remarks			
EQ	E1		
<b><u>Air transport</u></b>			
Hazard	-		
Passenger	956 (400kg)		
Passenger LQ	Y956 (30kg G)		
Cargo	956 (400kg)		
ERG	9L		
Remarks			
EQ	E1		
Special Provisioning	A97 - A158 - A179 - 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**

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**Europe**

Contents of VOC [%] 0  
 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 [%]  
 20  
 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) H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 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



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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.