

MATERIAL SAFETY DATA SHEET

01905-9110

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

series 15

Aqua-Bronzes (without silver)

Article No.		Issue date:	23.07.21
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 15 811 - rich gold
 15 812 - rich pale gold
 15 813 - pale bold
 15 814 - copper

REACH registration No.

UFI 15811: UFI: DFSD-P1WN-6008-MDVY
 15812: UFI: 4JSD-61M1-G00R-9RG1
 15813: UFI: DMSD-Q19E-T008-X323
 15814: UFI: 6QSD-61YU-300R-MEN5

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
 labor@schmincke.de

1.4 Emergency telephone number**Emergency Information**

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)**

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**

Item No. 01905, 01905-9240, 01905-9500

Signal word

Warning

Hazard statements

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

Safety precautions

P102 Keep out of reach of children.
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.

Hazard components for labelling**Text for labelling (CLP)****2.3 Other hazards**

SECTION 3: Composition/information on ingredients

3.1 Substances**Chemical characterisation**

copper-zinc-alloy (15 811 - 15 813), copper-paste (15 814)

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 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

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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**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****Advices 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)

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No special measures necessary if stored and handled as prescribed.

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7440-50-8 copper

DEU	WEL	1,000	mg/m ³	2 (II); DFG
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7440-66-6 zinc powder - zinc dust (stabilized)

DEU	WEL	2,000	mg/m ³	2 (II); DFG
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DNEL overview

7440-50-8 copper

DNEL worker	Long-term - dermal, systemic e	137,00000	mg/kg
DNEL worker	dermal, short-term, systemic,	273,00000	mg/kg
DNEL Consumer	Long-term - oral, systemic eff	0,04100	mg/kg
DNEL Consumer	Long-term - inhalation, system	1,00000	mg/m ³
DNEL Consumer	Long-term - inhalation, local	1,00000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic e	137,00000	mg/kg
DNEL Consumer	dermal, short-term, systemic,	273,00000	mg/kg

DNEL overview

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

not required	DNEL worker	5,00000	mg/m ³
not required	DNEL worker	83,00000	mg/kg
not required	DNEL Consumer	0,83000	mg/kg
not required	DNEL Consumer	2,50000	mg/m ³
not required	DNEL Consumer	83,00000	mg/kg

PNEC overview

7440-50-8 copper

PNEC soil	65,00000	mg/kg
PNEC aquatic, freshwater	0,00780	mg/L
PNEC aquatic, marine water	0,00520	mg/L
PNEC soil, freshwater	87,00000	mg/kg
PNEC soil, marine water	676,00000	mg/kg
PNEC sewage treatment plant (S	0,23000	mg/L

PNEC overview

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

not required	35,60000	mg/kg
not required	0,02060	mg/L
not required	0,00610	mg/L
not required	117,80000	mg/kg
not required	56,50000	mg/kg

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

With the formation of dust, use a dust mask.

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Hand protection

Protect skin by using skin protective cream.

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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			
PH			
Viscosity			
Viscosity			
Vapour pressure			
Density		ca. 1,5 g/ml	20 °C
Partition coefficient: n-octanol/water			

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

strong acids oxidizing agents Strong alkali

10.6 Hazardous decomposition products

No known hazardous decomposition products.

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

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Toxicological tests

7440-50-8 copper

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oral	LD50	Rat		1430,00000	mg/kg	-
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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

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****SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity****Water Hazard Class** 3**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**

Item Numbers: 01905-01101, 01905-9240, 01905-9260, 01905-9500

Waste key number

080112 080112 waste paint and varnish other than those mentioned in 080111

Recommendation

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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**

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 (ADR/RID)**

Code: ADR/RID	M7
Kemmler-number	90
Hazard label ADR	9
Limited quantities	5kg
Package: Instructions	P002 - IBC08 - LP02 - R001
Package: 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

Sea transport (IMDG)

EmS	F-A, S-F
Special provisions	274 - 335 - 966 - 967 - 969
Limited quantities	5kg
Package: Instructions	P002 - LP02
Package: Special provisions	PP12
IBC: Instructions	IBC08
IBC: Provisions	B3

Tank instructions IMO

Tank instructions UN	T1 - BK1 - BK2 - BK3
Tank instructions Special provisions	TP33

Item No. 01905-9260, 01905-9500

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Stowage and segregation	category A SW23
Properties and observations	
Remarks	
EQ	E1
<u>Air transport (IATA-DGR)</u>	
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**Bezeichner in aktueller Sprache fehlt!****National regulations****Europe**

Contents of VOC [%] 0
 Contents of VOC
 [g/L]
 Further regulations, limitations and legal requirements

Germany

Storage class
 Water Hazard Class 3
 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 [%]
 0 %
 Further regulations, limitations and legal requirements

USA

Item Numbers: 01905-9110, 01905-9240, 01905-9260, 01905-9500
Signal Word

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WARNING !**Principal Hazards**

Harmful if swallowed.

Hazardous Ingredients

Contains Copper.

Hazard Statement

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Precaution Statement

Do not eat, drink and smoke when using this product. Avoid release to the environment.

First aid Statements

Seek immediate medical assistance if swallowed.

Children 's Statement

For professional use only. Keep out of reach of children.

Required Statements

Conforms to ASTM D-4236.

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.

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

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.~~