

SAFETY DATA SHEET

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



Signal word

Warning

Hazard statements

H302 Harmful if swallowed.

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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

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.

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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)

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 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.

Hand protection

Protect skin by using skin protective cream.

Eye protection

Goggles

Body protection

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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

Toxicological tests

7440-50-8 copper

oral	LD50	Rat	1430,0000	mg/kg	-
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Toxicological tests

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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

Waste key number

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

Recommendation

Package

Waste key number

Recommendation

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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.

Danger releasing substance zinc and copper

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
Stowage and segregation	category A

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SW23

Properties and observations

Remarks

EQ E1

Air transport (IATA-DGR)

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

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

Further regulations, limitations and legal requirements
Federal Regulations
State Regulations

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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