

MATERIAL SAFETY DATA SHEET

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

series 15

Aqua-Bronzes (without silver)

Article No.		Issue date:	07.12.15
Version	2 (07.12.15)	Page	1 / 9

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

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-Labor:
Mo-Do 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)

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.

MATERIAL SAFETY DATA SHEET

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

series 15

Aqua-Bronzes (without silver)

Article No.		Issue date:	07.12.15
Version	2 (07.12.15)	Page	2 / 9

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.

2.3 Other hazards

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterization

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 %
CAS-Number: 7440-50-8

Classification according to EC regulation 1272/2008 (CLP):
Acute Tox. 4; H302 / Aquatic Acute 1; H400 / Aquatic
Chronic 2; H411

Substance 2

zinc: < 50 %
CAS-Number: 7440-66-6
REACH registration No.: 01-2119467174-37

Classification according to EC regulation 1272/2008 (CLP):
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

MATERIAL SAFETY DATA SHEET

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

series 15

Aqua-Bronzes (without silver)

Article No.		Issue date:	07.12.15
Version	2 (07.12.15)	Page	3 / 9

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 High power 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

MATERIAL SAFETY DATA SHEET

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

series 15

Aqua-Bronzes (without silver)

Article No. Issue date: 07.12.15
Version 2 (07.12.15) Page 4 / 9

8.1 Control parameters

7440-50-8 copper

DEU	WEL	1,000	mg/m ³	-
-----	-----	-------	-------------------	---

7440-66-6 zinc

DEU	WEL	2,000	mg/m ³	-
-----	-----	-------	-------------------	---

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

Physical state 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

Explosive properties

Vapour pressure

Density ca. 20 °C
1,5 g/ml

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

MATERIAL SAFETY DATA SHEET

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

series 15

Aqua-Bronzes (without silver)

Article No.
Version 2 (07.12.15)

Issue date: 07.12.15
Page 5 / 9

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

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

7440-66-6 zinc

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Water Hazard Class

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)

MATERIAL SAFETY DATA SHEET

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

series 15

Aqua-Bronzes (without silver)

Article No.		Issue date:	07.12.15
Version	2 (07.12.15)	Page	6 / 9

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

Limited quantities 5kg

Contaminated packaging: Instructions P002 - IBC08 - LP02 - R001

Contaminated packaging: Special provisions PP12 - B3

Special provisions for packing together MP10

MATERIAL SAFETY DATA SHEET

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

series 15

Aqua-Bronzes (without silver)

Article No.		Issue date:	07.12.15
Version	2 (07.12.15)	Page	7 / 9

Portable tanks: Instructions	T1 - BK1 - BK2
Portable tanks: Special provisions	TP33
Tank coding	SGAV/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 - 966 - 967
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

Air transport

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	

MATERIAL SAFETY DATA SHEET

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

series 15

Aqua-Bronzes (without silver)

Article No.		Issue date:	07.12.15
Version	2 (07.12.15)	Page	8 / 9

[g/L]
Further regulations, limitations and legal requirements

Germany

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

Bezeichner in aktueller

Sprache fehlt!

Further regulations, limitations and legal requirements
Federal Regulations
State Regulations

USA

Further regulations, limitations and legal requirements

Federal Regulations

State Regulations

Signal Word

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.

Japan

Further regulations, limitations and legal requirements

Canada

MATERIAL SAFETY DATA SHEET

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

series 15

Aqua-Bronzes (without silver)

Article No.		Issue date:	07.12.15
Version	2 (07.12.15)	Page	9 / 9

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.