

**MATERIAL SAFETY DATA SHEET**

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

01905-1009  
01905-9110**series 15**  
**Aqua-Bronzes (without silver)****Article No.****Version****3.1 ( 14.07.21 )****Issue date:****Page****23.07.21****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

**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**

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Warning

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**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 a 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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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

7440-50-8 copper

DEU	WEL	1,000	mg/m³	2 (II); DFG
-----	-----	-------	-------	-------------

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

DEU	WEL	2,000	mg/m³	2 (II); DFG
-----	-----	-------	-------	-------------

#### 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/m³
DNEL Consumer	Long-term - inhalation, local	1,00000	mg/m³
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/m³
not required	DNEL worker	83,00000	mg/kg
not required	DNEL Consumer	0,83000	mg/kg
not required	DNEL Consumer	2,50000	mg/m³
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.

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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**

Item Numbers: 01905-1009

**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: 01905-1000

**Waste key number**

080112

**Recommendation**

080112 waste paint and varnish other than those mentioned in 080111

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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

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**Stowage and segregation**category A  
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****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: 01905-1009  
**Signal Word**

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## series 15

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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 abased 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.~~

**MATERIAL SAFETY DATA SHEET**

01905-9330

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

**series 15  
Aqua-Bronzes (silver)****Article No.****Version**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

**Trade name** 15 815 - silver  
**REACH registration No.**  
**UFI** UFI: JTSD-Q1P7-E007-8S77

**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)**

Eye Irrit. 2; H319 Causes serious eye irritation.  
 Flam. Sol. 1; H228 Flammable solid.

**2.2 Label elements****Labelling****Signal word**

Danger

**Hazard statements**

H228 Flammable solid.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.

**Safety precautions**

P102 Keep out of reach of children.

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P271 Use only outdoors or in a well-ventilated area.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P370+P378 In case of fire: Use dry sand to extinguish.

### Hazard components for labelling

### Text for labelling (CLP)

## **2.3 Other hazards**

## SECTION 3: Composition/information on ingredients

### **3.1 Substances**

#### Chemical characterisation

aluminum-pigment

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

aluminium: 50-100 %  
CAS: 7429-90-5  
REACH: 01-2119529243-45  
Flam. Sol. 1; H228

#### Substance 2

propan-2-ol: 25-50 %  
CAS: 67-63-0  
REACH: 01-2119457558-25  
Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3;  
H336

### **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.

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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**

Dry extinguishing powder

**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**

Use appropriate respiratory protection.

**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.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

7429-90-5 aluminium powder (stabilised)

DEU	WEL	10,000	mg/m <sup>3</sup>	2 (II); AGS; DFG
-----	-----	--------	-------------------	------------------

67-63-0 propan-2-ol

DEU	WEL	200,000	mL/m <sup>3</sup>	-
-----	-----	---------	-------------------	---

DEU	WEL	380,000	mg/m <sup>3</sup>	4 (II); DFG; Y
-----	-----	---------	-------------------	----------------

#### DNEL overview

7429-90-5 aluminium powder (stabilised)

DNEL worker	Long-term - inhalation, system	3,72000	mg/m <sup>3</sup>
DNEL Consumer	Long-term - oral, systemic eff	3,95000	mg/kg bw/day

#### DNEL overview

67-63-0 propan-2-ol

DNEL worker	Long-term - inhalation, system	950,00000	mg/m <sup>3</sup>
DNEL worker	Long-term - dermal, systemic e	343,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic eff	87,00000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, system	114,00000	mg/m <sup>3</sup>
DNEL Consumer	Long-term - dermal, systemic e	206,00000	mg/kg bw/day

#### PNEC overview

7429-90-5 aluminium powder (stabilised)

PNEC aquatic, freshwater	0,07400	mg/L
PNEC sewage treatment plant (S	20,00000	mg/L

#### PNEC overview

67-63-0 propan-2-ol

PNEC soil	0,63000	mg/kg
PNEC aquatic, freshwater	0,96000	mg/L
PNEC aquatic, marine water	0,79000	mg/L
PNEC soil, freshwater	3,60000	mg/kg
PNEC soil, marine water	2,90000	mg/kg
PNEC sewage treatment plant (S	580,00000	mg/L

#### 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.

#### 9.1 information on basic physical and chemical properties

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Form Powder  
Colour silver grey  
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. 1,9 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

heat

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Toxicological tests

7429-90-5 aluminium powder (stabilised)

inhalative	LC50	Rat	>	5,00000	mg/L	(4h)
------------	------	-----	---	---------	------	------

#### Toxicological tests

67-63-0 propan-2-ol

oral	LD50	Rat	>=	5000,00000	mg/kg	-
inhalative	LC50	Rat		51,00000	mg/L	(4h)
dermal	LD50	Rabbit	>	1000,00000	mg/kg	-

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**MATERIAL SAFETY DATA SHEET**

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

**series 15**  
**Aqua-Bronzes (silver)****Article No.****Version****3.1 ( 14.07.21 )****Issue date:****23.07.21****Page****6 / 9****Acute toxicity**

No data available

**In case of inhalation**

No data available

**After swallowing**

No data available

**In case of skin contact****After eye contact**

Risk of serious damage to eyes.

**Practical experience****General remarks****SECTION 12: Ecological information****12.1 Toxicity****Ecotoxicological effects**

67-63-0 propan-2-ol

LC50	Leuciscus idus		8400,00000	mg/L	(48h)
EC50	Chlorella vulgaris		275,00000	mg/L	(96h)
EC50	Daphnia magna (Big water flea)	>	10000,00000	mg/L	(48h)

**Aquatic toxicity****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****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**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

# MATERIAL SAFETY DATA SHEET

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## series 15 Aqua-Bronzes (silver)

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**Additional information**

### SECTION 14: Transport information

**14.1 UN number**

1325

**14.2 UN proper shipping name**

ADR, ADN	FLAMMABLE SOLID, ORGANIC, N.O.S.
IMDG, IATA	FLAMMABLE SOLID, ORGANIC. N.O.S.

**14.3 Transport hazard class(es)**

ADR, ADN	4.1
IMDG	4.1
IATA	4.1

**14.4 Packing group**

II

**14.5 Environmental hazards**

Marine Pollutant - IMDG	No
Marine Pollutant - ADN	No

**14.6 Special precautions for user****Land transport (ADR/RID)**

Code: ADR/RID	F1
Kemmler-number	40
Hazard label ADR	4.1
Limited quantities	1kg
Package: Instructions	P002 - IBC08
Package: Special provisions	B4
Special provisions for packing together	MP10
Portable tanks: Instructions	T3
Portable tanks: Special provisions	TP33
Tank coding	SGAN
Tunnel restriction	E
Remarks	
EQ	E2
Special provisions	274

**Sea transport (IMDG)**

EmS	F-A, S-G
Special provisions	274 - 915
Limited quantities	1kg
Package: Instructions	P002
Package: Special provisions	-
IBC: Instructions	IBC08
IBC: Provisions	B2 - B4
Tank instructions IMO	-
Tank instructions UN	T3
Tank instructions Special provisions	TP33
Stowage and segregation	category B

**Properties and observations**

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EQ	E2
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**Air transport (IATA-DGR)**

<b>Hazard</b>	Flammable Solid
<b>Passenger</b>	415 (15kg)
<b>Passenger LQ</b>	Y415 (5kg)
<b>Cargo</b>	417 (50kg)
<b>ERG</b>	3L
<b>Remarks</b>	
<b>EQ</b>	E2
<b>Special Provisioning</b>	A3

**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** 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. 50

**Further regulations, limitations and legal requirements****USA****Signal Word**

DANGER !

**Principal Hazards**

Flammable solid.

**Hazardous Ingredients**

Contains Aluminium, Isopropanol.

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**MATERIAL SAFETY DATA SHEET**

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

**series 15**  
**Aqua-Bronzes (silver)****Article No.****Version****3.1 ( 14.07.21 )****Issue date:****Page****23.07.21****9/ 9****Hazard Statement**

Causes skin and eye irritation.

**Precaution Statement**

Keep away from heat, sparks, open fire or hot surfaces. Avoid breathing dust or fumes. Wear protective gloves, clothing, eye and face protection. Store in a well ventilated place. Keep container tightly closed.

**First aid Statements**

Seek immediate medical assistance if swallowed or inhaled.

**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)**

H225 Highly flammable liquid and vapour.

H228 Flammable solid.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**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.~~