

SAFETY DATA SHEET

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

series 15

Aqua-Bronzes (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 15 815 - 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.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

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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

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

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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.

SECTION 8: Exposure controls/personal protection

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8.1 Control parameters

7429-90-5 aluminium powder (stabilised)

DEU	WEL	10,000	mg/m ³	2(II); AGS; DFG
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67-63-0 propan-2-ol

DEU	WEL	200,000	mL/m ³	-
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DEU	WEL	380,000	mg/m ³	4(II); DFG; Y
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DNEL overview

7429-90-5 aluminium powder (stabilised)

DNEL worker	Long-term - inhalation, system	3,72000	mg/m ³
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 ³
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 ³
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.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form Powder
Colour silver grey

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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)
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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	-

Acute toxicity

No data available

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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.

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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.

Danger releasing substance aluminum-pigment

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
Remarks

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EQ E2

Air transport (IATA-DGR)

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

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 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

Further regulations, limitations and legal requirements
Federal Regulations
State Regulations

Canada

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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