



# Anti-Seize Copper Paste

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date of issue: 1/18/2018 Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : Anti-Seize Copper  
Type of product Paste : Paste

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

WINKEL GmbH  
Lisztstraße 1  
53881 Euskirchen - Germany  
Tel.: +49 2251 77 69 400-401 - Fax: +49 2251 77 69 402 E-  
Mail: info@winkelgroup.de - Internet: www.winkelgroup.de

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment — H412  
Chronic Hazard, Category 3  
Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : -  
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting  
Precautionary statements (CLP) effects. : P273 - Avoid release to the environment.  
P501 - Dispose of contents and container to Collection point.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Copper	(CAS-No.) 7440-50-8 (EC-No.) 231-159-6 (REACH-no) 01-2119480154-42	2.5 - 5	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

Full text of H-statements: see section 16



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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : If medical advice is needed, have product container or label at hand. : Remove  
First-aid measures after inhalation person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.  
Explosion hazard : No direct explosion hazard. :  
Reactivity in case of fire Product is not explosive.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### Copper (7440-50-8)

EU	Local name	Copper
EU	IOELV TWA (mg/m <sup>3</sup> )	0.01 mg/m <sup>3</sup> (respirable fraction)
EU	Notes	(Year of adoption 2014)



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### Copper (7440-50-8)

EU	Regulatory reference	SCOEL Recommendations
Netherlands	Local name	Koper
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> en anorganische koperverbindingen
Netherlands	Regulatory reference	Arbeidsomstandighedenregeling 2017

### Copper (7440-50-8)

#### DNEL/DMEL (Workers)

Acute - systemic effects, dermal 273 mg/kg bodyweight/day

Acute - systemic effects, inhalation 20 mg/m<sup>3</sup>

Long-term - systemic effects, dermal 137 mg/kg bodyweight/day

#### DNEL/DMEL (General population)

Acute - systemic effects, dermal 273 mg/kg bodyweight

Acute - systemic effects, inhalation 20

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Paste.
Colour	: Brownish.
Odour	: characteristic.
Odour threshold	: No data
pH	available : No
Relative evaporation rate (butylacetate=1)	data available : No
Melting point	data available : Not applicable
Freezing point	applicable
Boiling point	: No data available
Flash point	available : No
Auto-ignition temperature	data available : No
Decomposition temperature	data available : No
Flammability (solid, gas)	data available : No
Vapour pressure	data available : No
Relative vapour density at 20 °C	: No data available
density	: No data available
Density	: No data available
Solubility	: 1.08 - 1.18 g/cm <sup>3</sup> (estimated value)
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
	: No data available



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Oxidising properties : No data  
Explosive limits available : No  
data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified  
  
Skin corrosion/irritation Serious : Not classified  
eye damage/irritation : Not classified  
Respiratory or skin : Not classified  
sensitisation Germ cell : Not classified  
mutagenicity Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting  
Acute aquatic toxicity effects. : Not classified  
Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available



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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>No supplementary information available</b>				

#### 14.6. Special precautions for user

##### - Overland transport

Not applicable

##### - Transport by sea

Not applicable

##### - Air transport

Not applicable

##### - Inland waterway transport

Not applicable

##### - Rail transport

Not applicable

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

##### 15.1.2. National regulations

###### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are

SZW-lijst van mutagene stoffen listed : None of the components are

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding listed : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information



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### Abbreviations and acronyms:

<b>ADN</b>	<b>European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</b>
<b>ADR</b>	<b>European Agreement concerning the International Carriage of Dangerous Goods by Road</b>
<b>ATE</b>	<b>Acute Toxicity Estimate</b>
<b>BCF</b>	<b>Bioconcentration factor</b>
<b>CLP</b>	<b>Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008</b>
<b>DMEL</b>	<b>Derived Minimal Effect level</b>
<b>DNEL</b>	<b>Derived-No Effect Level</b>
<b>DPD</b>	<b>Dangerous Preparations Directive 1999/45/EC</b>
<b>DSD</b>	<b>Dangerous Substances Directive 67/548/EEC</b>
<b>EC50</b>	<b>Median effective concentration</b>
<b>IARC</b>	<b>International Agency for Research on Cancer</b>
<b>IATA</b>	<b>International Air Transport Association</b>
<b>IMDG</b>	<b>International Maritime Dangerous Goods</b>
<b>LC50</b>	<b>Median lethal concentration</b>
<b>LD50</b>	<b>Median lethal dose</b>
<b>LOAEL</b>	<b>Lowest Observed Adverse Effect Level</b>
<b>NOAEC</b>	<b>No-Observed Adverse Effect Concentration</b>
<b>NOAEL</b>	<b>No-Observed Adverse Effect Level</b>
<b>NOEC</b>	<b>No-Observed Effect Concentration</b>
<b>OECD</b>	<b>Organisation for Economic Co-operation and Development</b>
<b>PBT</b>	<b>Persistent Bioaccumulative Toxic</b>
<b>PNEC</b>	<b>Predicted No-Effect Concentration</b>
<b>REACH</b>	<b>Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006</b>
<b>RID</b>	<b>Regulations concerning the International Carriage of Dangerous Goods by Rail</b>
<b>SDS</b>	<b>Safety Data Sheet</b>
<b>STP</b>	<b>Sewage treatment plant</b>
<b>TLM</b>	<b>Median Tolerance Limit</b>
<b>vPvB</b>	<b>Very Persistent and Very Bioaccumulative</b>

### Data sources

: Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013. Manufacturer/Supplier. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

### Full text of H- and EUH-statements:

<b>Acute Tox. 4 (Oral)</b>	<b>Acute toxicity (oral), Category 4</b>
<b>Aquatic Acute 1</b>	<b>Hazardous to the aquatic environment — Acute Hazard, Category 1</b>
<b>Aquatic Chronic 2</b>	<b>Hazardous to the aquatic environment — Chronic Hazard, Category 2</b>
<b>H302</b>	<b>Harmful if swallowed.</b>
<b>H400</b>	<b>Very toxic to aquatic life.</b>
<b>H411</b>	<b>Toxic to aquatic life with long lasting effects.</b>
<b>H412</b>	<b>Harmful to aquatic life with long lasting effects.</b>

### SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*