



# SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016  
Version: 4  
Language: en-US  
Date of print: Aug/11/2016

## Anti-Seize Copper Assembly Grade

Material number 262000

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### 1. Product and company identification

#### Product identifier

Trade name: Anti-Seize Copper Assembly Grade

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

General use: Lubricating agent.  
Reserved for industrial and professional use.

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

Company name: WEICON Inc.  
Street/POB-No.: 20 Steckle Place, Unit 20  
Postal Code, city: Kitchener, Ontario N2E 2C3, CA  
WWW: www.weicon.ca  
E-mail: info@weicon.ca  
Telephone: +1-519-896-5252  
Telefax: +1-519-896-5254  
Dept. responsible for information:  
Product-Safety-Department  
Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

#### Emergency phone number

**EMERGENCY CONTACT – USA (24h): Tel: ++1 202 464 2554**

**Transport:  
TRANSPORT EMERGENCY CONTACT - USA (24h): Tel: ++1 202 464 2554**

### 2. Hazards identification

#### Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: solid  
Form: pasty  
Color: copper  
Odor: solvent-like  
Classification: This material is classified as not hazardous.

#### Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

#### Hazards not otherwise classified

Special danger of slipping by leaking/spilling product.  
see section 11: Toxicological information

### 3. Composition / Information on ingredients

Chemical characterization: Preparation of metallic soap in mineral oil with additives.

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 7440-50-8	Copper	5 - 10 %	Aquatic toxicity - acute - Category 1.



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### 4. First aid measures

- General information: Take off immediately all contaminated clothing and wash it before reuse.
- In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical treatment in case of troubles.
- Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Consult a doctor if skin irritation persists.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.
- After swallowing: Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

#### Most important symptoms/effects, acute and delayed

Irritant effect on the eye: Minor irritation effect - does not require labeling.

#### Information to physician

Treat symptomatically.

### 5. Fire fighting measures

- Flash point/flash point range: 415.4 °F (base oil)
- Auto-ignition temperature: not determined
- Suitable extinguishing media: Water fog, alcohol resistant foam, dry chemical powder, carbon dioxide.
- Extinguishing media which must not be used for safety reasons: High power water jet

#### Specific hazards arising from the chemical

May form dangerous gases and vapours in case of fire.  
In case of fire may be liberated: Metal oxide smoke, carbon monoxide and carbon dioxide.

- Protective equipment and precautions for firefighters: Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.
- Additional information: Cool exposed containers with water spray. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.  
In case of fire and/or explosion do not breathe fumes.

### 6. Accidental release measures

- Personal precautions: Provide adequate ventilation. Do not breathe gas/vapor/spray. Avoid contact with the substance.  
In case of leakage, eliminate all ignition sources. Wear appropriate protective equipment.
- Environmental precautions: Do not allow to enter into ground-water, surface water or drains.
- Methods for clean-up: Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).  
Thoroughly clean surrounding area.
- Additional information: Special danger of slipping by leaking/spilling product.



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## 7. Handling and storage

### Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe gas/vapor/spray.  
Avoid contact with skin and eyes. Wear appropriate protective equipment.  
Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation.  
Take off contaminated clothing and wash it before reuse.  
When using do not eat, drink or smoke. Wash hands before breaks and after work.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

### Storage

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.  
Keep container dry. Keep only in the original container.  
Protect from heat and direct sunlight.  
Store containers in upright position. Recommended storage temperature: room temperature

Hints on joint storage:

Do not store together with combustible or self-igniting materials or any highly flammable solids.

keep away from: Acids, strong oxidizing agents

Keep away from food, drink and animal feedingstuffs.

Further details:

Do not allow to penetrate into soil, waterbodies or drains.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7440-50-8	Copper	USA: ACGIH: TWA	0.2 mg/m <sup>3</sup> Smoke
		USA: ACGIH: TWA	1 mg/m <sup>3</sup> Dusts and mist calculated as Cu
		USA: NIOSH: TWA	1 mg/m <sup>3</sup>
		USA: OSHA: TWA	0.1 mg/m <sup>3</sup> (Smoke; calculated as Cu)
		USA: OSHA: TWA	1 mg/m <sup>3</sup> Dusts and mist calculated as Cu

### Engineering controls

Provide adequate ventilation, and local exhaust as needed.

See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Flame retardant, antistatic and chemical resistant protective clothing.  
Protective gloves according to OSHA Standard - 29 CFR: 1910.138 (Solvent resistant protective gloves).  
Glove material: Nitrile rubber - Layer thickness: 0.4 mm  
Breakthrough time: < 480 min.  
Unsuitable glove material: Leather gloves, Thick protective gloves.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.



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Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.

The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

General hygiene considerations:

Take off contaminated clothing and wash it before reuse. Avoid contact with the substance.

Wash hands before breaks and after work.

When using do not eat, drink or smoke.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: solid Form: pasty Color: copper
Odor:	solvent-like
Odor threshold:	not determined
pH value:	not determined
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point/flash point range:	415.4 °F (base oil)
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Vapor pressure:	not determined
Vapor density:	not determined
Density:	at 68 °F: 1.1 g/cm <sup>3</sup>
Solubility:	not determined
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not determined
Thermal decomposition:	No decomposition when used properly.
Viscosity, dynamic:	not applicable
Viscosity, kinematic:	not applicable
Explosive properties:	not determined
Ignition temperature:	> 482 °F
Additional information:	drop point/drop range: approx. 180 °C (IP 396)

## 10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Reacts with strong acids and strong oxidizing agents.
Conditions to avoid:	Keep away from heat sources, sparks and open flames.



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Incompatible materials: Keep away from: Strong acids, strong oxidizing agents.  
Keep away from food, drink and animal feedingstuffs.

Hazardous decomposition products:  
May form dangerous gases and vapours in case of fire.  
In case of fire may be liberated: Metal oxide smoke, carbon monoxide and carbon dioxide.

Thermal decomposition: No decomposition when used properly.

## 11. Toxicological information

### Toxicological tests

Toxicological effects: Acute toxicity (oral): Lack of data.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Based on available data, the classification criteria are not met.  
Eye damage/irritation: Lack of data. Minor irritation effect - does not require labeling.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Based on available data, the classification criteria are not met.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

## 12. Ecological information

### Ecotoxicity

Further details: No data available

### Mobility in soil

No data available

### Persistence and degradability

Further details: No data available

### Additional ecological information

Volatile organic compounds (VOC):

0 % by weight

General information: Do not allow to penetrate into soil, waterbodies or drains. Do not allow uncontrolled discharge of product into the environment.

## 13. Disposal considerations

### Product

Recommendation: Dispose of waste according to applicable legislation.



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### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.

## 14. Transport information

### USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

### Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

### Air transport (IATA)

Proper shipping name: Not restricted

### Further information

No dangerous good in sense of these transport regulations.

## 15. Regulatory information

### National regulations - U.S. Federal Regulations

Copper:

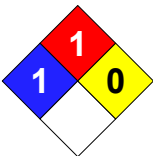
- TSCA Inventory: listed
- TSCA HPVC: not listed
- Clean Water Act:
  - Priority Pollutant: yes
- Other Environmental Laws:
  - CERCLA: RQ 5000\* lbs.
  - Marine Pollutant: listed as severe pollutant.
  - RCRA Groundwater Monitoring: Methods 6010, 7210 / PQL 60, 200
  - SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
- NIOSH Recommendations:
  - Occupational Health Guideline: 0150\*

### National regulations - Great Britain

Hazchem-Code: -

## 16. Other information

Hazard rating systems:



NFPA Hazard Rating:

- Health: 1 (Slight)
- Fire: 1 (Slight)
- Reactivity: 0 (Minimal)

HMIS Version III Rating:

- Health: 1 (Slight)
- Flammability: 1 (Slight)
- Physical Hazard: 0 (Minimal)
- Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Reason of change: Changes in section 1: General revision

Date of first version: Feb/10/2016

### Department issuing data sheet

Contact person: see section 1: Dept. responsible for information



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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.