

## Safety Data Sheet

### Copper Anti-Seize & Lubricating Compound

#### Section 1. Identification

Product Identifier Copper Anti-Seize & Lubricating Compound

Synonyms 1062; 49582

Manufacturer Stock Numbers 143274; 143487

Recommended use Refer to Technical Information

Uses advised against Refer to Technical Information

Manufacturer Contact

Address Dynatex a division of Soudal  
350 Ring Road  
Elizabethtown, KY, 42701  
USA

Phone  
(270) 769-3385

Emergency Phone  
(800) 424-9300  
CHEMTREC

Fax  
(270) 769-6418

#### Section 2. Hazards Identification

Classification HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD - Category 1

Signal Word Warning

Pictogram



Hazard Statements Very toxic to aquatic life with long lasting effects

Precautionary Statements

Response Collect spillage

Prevention Avoid release to the environment

Storage	N/A
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

Hazardous not otherwise classified None known

Additional Information False

## Section 3. Ingredients

CAS	Ingredient Name	Weight %
7440-50-8	Copper powder	3% - 5%

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First-Aid Measures

**Description of necessary first aid measures**

**Eye contact**  
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.

**Inhalation**  
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact**  
Flush contaminated skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion**  
Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the

lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if neces

Note to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

No specific treatment.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

## Section 5. Fire Fighting Measures

Suitable Extinguishing Media

In case of fire, use foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

None known

Specific hazards arising from the chemical

This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

Decomposition products may include the following materials:

Carbon dioxide

Carbon monoxide

Halogenated compounds

Metal oxide/oxides

Special protective actions for fire fighters

No special precaution is required.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental Release Measures

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
Methods and materials for containment and cleaning up	<p><b>Small spill</b> Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.</p> <p><b>Large spill</b> Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.</p>

<b>Section 7. Handling and Storage</b>
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Protective measures	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

<b>Section 8. Exposure Controls/Personal Protection</b>
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Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Copper powder	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	N/A

Personal Protective Equipment

Goggles, Gloves

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and Chemical Properties

Physical State	Solid [Semi-solid]
Color	Copper color
Odor	Mild
Odor Threshold	Not available
Solubility	Insoluble in water
Partition coefficient Water/n-octanol	Not available
VOC%	N/A
Viscosity	Not available
Specific Gravity	1.27
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	215.56C 420F
FP Method	COC
pH	Not available
Melting Point	Not available
Boiling Point	Not available
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not available
Flammability	See note below
Decomposition Temperature	Not available
Auto-ignition Temperature	Not available
Vapor Pressure	Not available
Vapor Density	Not available

**Flammability (solid, gas)** Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.

**Note** The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

## Section 10. Stability and Reactivity

**Reactivity** No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** The product is stable.

**Possibility of hazardous reactions** Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** Do not heat above flash point.

Incompatible materials Reactive or incompatible with the following materials: oxidizing materials.  
Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological Information

Information on toxicological effects Acute toxicity:  
There is no data available.

Irritation/corrosion:  
There is no data available.

Sensitization:  
There is no data available.

Mutagenicity:  
There is no data available.

Carcinogenicity:  
There is no data available.

Reproductive toxicity:  
There is no data available.

Teratogenicity:  
There is no data available.

Specific target organ toxicity (single exposure):  
There is no data available.

Specific target organ toxicity (repeated exposure):  
There is no data available.

Aspiration hazard:  
There is no data available.

Information on likely routes of exposure Ingestion

Potential acute health effects Eye contact:  
No known significant effects or critical hazards.

Inhalation:  
No known significant effects or critical hazards.

Skin contact:  
No known significant effects or critical hazards.

Ingestion:  
No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact:  
No known significant effects or critical hazards.

Inhalation:  
No known significant effects or critical hazards.

Skin contact:  
No known significant effects or critical hazards.

Ingestion:  
No known significant effects or critical hazards.

Delayed and immediate effects

Short term exposure  
Potential immediate effects  
No known significant effects or critical hazards.

Potential delayed effects  
No known significant effects or critical hazards.

Long term exposure  
Potential immediate effects  
No known significant effects or critical hazards.

Potential delayed effects  
No known significant effects or critical hazards.

Potential chronic health effects

General:  
No known significant effects or critical hazards.

Carcinogenicity:  
No known significant effects or critical hazards.

Mutagenicity:  
No known significant effects or critical hazards.

Teratogenicity:  
No known significant effects or critical hazards.

Developmental effects:  
No known significant effects or critical hazards.

Fertility effects:  
No known significant effects or critical hazards.

## Section 12. Ecological Information

Persistence and degradability  
There is no data available.

Bioaccumulative potential  
There is no data available.

Mobility in soil  
Soil/water partition coefficient: Not available

Other adverse effects  
No known significant effects or critical hazards.



## Section 13. Disposal

### Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport Information

### UN Number

3077

### UN Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper).  
Marine pollutant (Copper)

### DOT Classification

Transport hazard class: 9 Environmental hazards: Yes

### Packing Group

III

### Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory Information

This product does not dry or produce dust under normal use. Since the product is in paste/grease form, the risk of exposure to dust is minimal or non-existent and the related hazard statements are therefore not shown in this SDS even if some hazardous ingredients are listed in this Section for other regulatory requirements.

### US Federal Regulations

United States inventory (TSCA 8b)  
All components are listed or exempted.

Clean Water Act (CWA) 307  
Copper

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)  
Listed

Clean Air Act Section 602 Class I Substances  
Not listed

Clean Air Act Section 602 Class II Substances

Not listed

DEA List I Chemicals (Precursor Chemicals)

Not listed

DEA List II Chemicals (Essential Chemicals)

Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ: Not applicable.

SARA 311/312

Classification: Not applicable.

Composition/information on ingredients

Crystalline silica, respirable powder - Delayed (chronic) health hazard

SARA 313

Form R - Reporting requirements

Copper 7440-50-8

Supplier notification

Copper 7440-50-8

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

## State Regulations

Massachusetts

The following components are listed: Distillates (petroleum), solvent-refined heavy naphthenic; Distillates (petroleum), hydrotreated light naphthenic; Limestone; Hydrous magnesium silicate; Copper; Natural Graphite

New York

The following components are listed: Copper

New Jersey

The following components are listed: Distillates (petroleum), solvent-refined heavy naphthenic; Distillates (petroleum), hydrotreated light naphthenic; Limestone; Crystalline silica, respirable powder; Hydrous magnesium silicate; Copper; Natural Graphite

Pennsylvania

The following components are listed: Limestone; Crystalline silica, respirable powder; Hydrous magnesium silicate; Copper; Natural Graphite

## California Prop 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

Crystalline silica, amorphous

Crystalline silica, respirable powder

## Section 16. Other Information

Revision Date

5/17/2018

Disclaimer

The data contained herein is based upon information that Soudal Accumetric believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.