

# Dynatex Anti-Seize Copper

## Safety Data Sheet

### Dynatex Anti-Seize Copper

## **SOUDAL** Safety Data Sheet

Issue date: 11/14/2024

Supersedes: 05/17/2018

Version: 2

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : Dynatex Anti-Seize Copper  
Reference number : 143487

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

#### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use, Professional use  
Use of the substance/mixture : Adhesive

#### 1.2.2. Uses advised against

No additional information available

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

Soudal  
350 Ring Road  
Elizabethtown, KY 42701  
(270) 769-3385  
[technical@soudalaccumetric.com](mailto:technical@soudalaccumetric.com) -  
[www.SoudalUSA.com](http://www.SoudalUSA.com)

### 1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC  
24h/24h

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**OSHA/HCS Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### Classification

AQUATIC HAZARD (ACUTE) Category 1  
AQUATIC HAZARD (LONG-TERM) Category 1

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

### 2.2. Label elements

Hazard pictograms (CLP) :



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Signal word (CLP)	: WARNING
Hazard statements (CLP)	: Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: Avoid release to the environment. Collect spillage.
Disposal	Dispose of contents and container in a accordance with all local, regional, national, and international regulations.
Extra phrases	:

### 2.3. Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
Copper	CAS-No: 7440-50-8	1 – 5
Crystalline Silica, respirable powder	CAS-No.: 14808-60-7	0.1 – 1

Any concentration shown in a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in concentrations applicable, are classified as hazardous to health of the environment and hence require reporting in this section.

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Treat according to person's condition and specifics of exposure.
First-aid measures after inhalation	: Show this material safety data sheet to the doctor in attendance. : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt, or waistband.
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical attention. Wash contaminated clothing Thoroughly with water before removing it, or wear gloves. Continue to rinse for 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
First-aid measures after 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.
First-aid measures after 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 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 following exposure or if feeling unwell. 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 collar, tie, belt, or waistband.

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

Symptoms/effects after skin contact	: May cause an allergic skin reaction.
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Symptoms/effects after eye contact : No known significant effects or critical hazards.

Symptoms/effects after inhalation : No known significant effects or critical hazards.

Symptoms/effects after ingestion: : No known significant effect or critical hazards.

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

Notes to physicians: Treat symptomatically. Contact poison control treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatments.

Protection of first aiders: No actions 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide, extinguishing powder, water spray, foam

Unsuitable extinguishing media : None known

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

Hazardous decomposition products in case of fire : carbon oxides, metal oxides

Unusual Fire and Explosion Hazards : No specific fire or explosion hazard.

### 5.3. Advice for firefighters

Fire Fighting Procedures: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for firefighters: 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

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

#### 6.1.1. For non-emergency personnel

Emergency procedures No action shall be taken involving any personal risk or without suitable training. Ensure adequate ventilation. Wear protective clothing.

#### 6.1.2. For emergency responders

Protective equipment 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 6.1.1.

### 6.2. Environmental precautions

Avoid dispersal of spilled materials and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, oil, or air).

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

For containment : Discharge into environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated water.

Methods for cleaning up : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust.

Other information : Dispose of materials or solid residues via an authorized disposal contractor.

### 6.4. Reference to other sections

For further information refer to section 7, 8, 11, 12, and 13

## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

Precautions for safe handling  
Hygiene

- : Keep away from heat and direct sunlight. Ensure good ventilation at the workplace.
- : Eating drinking and smoking should be prohibited in areas where this material is handled, stroed, and processed. Workers should wash hands and face before eating, drinking, or smoking. See also section 8 for additional information on hygiene measures.

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

Storage conditions 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. Store away from oxidizing agents and self-igniting products.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Copper (7440-50-8)	
NIOSH REL (TWA)	1 mg/m <sup>3</sup> , (as Cu) 8 hours, dust and mist
ACGIH TLV (TWA)	1 mg/m <sup>3</sup> (as Cu) 8 hours, dust and mist 0.2 mg/m <sup>3</sup> , 8 hours, Fertilizer and/or industrial use
OSHA PEL (TWA)	1 mg/m <sup>3</sup> , 8 hours, dust and mist 0.1 mg/m <sup>3</sup> , 8 hours, Fertilizer and/or industrial use

#### 8.1.2. Recommended monitoring procedures

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

#### 8.1.3. Air contaminants formed

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:** If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure .

#### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

###### Eye protection:

Protective goggles

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Protective clothing with long sleeves

###### Hand protection:

Protective gloves against chemicals

##### 8.2.2.3. Respiratory protection

###### Respiratory protection:

Use respiratory protection unless adequate risk management measures (exhaust/ventilation) are provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

###### Filter Type:

Combined particulate and organic vapor type.

##### 8.2.2.4. Thermal hazards

No additional information available

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### 8.2.3. Environmental exposure controls

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	: Solid. [Semi-Solid.]
Color	: Copper
Odor	: Mild
Odor threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point :	: 215.56°C (420°F) (Cleveland)
Flammability	: Flammable in the presence of open flames, sparks and static discharge
Explosive limits	: Not applicable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: Not available
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapor pressure	: Not available
Vapor pressure at 50 °C	: Not available
Density	: 1.23 g/cm <sup>3</sup>
Relative density	: Not available
Relative vapor density at 20 °C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

#### 9.2.2. Other safety characteristics

VOC content : Not available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 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

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Contact with incompatible materials and exposure to extreme temperatures. Do not heat above flash point.

### 10.5. Incompatible materials

Oxidizing materials

### 10.6. Hazardous decomposition products

Carbon oxides  
Metal oxides

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes

Acute toxicity	: Not available	
Irritation/Corrosion	: Not available	
Sensitization	: Not available	
Carcinogenicity	: Crystalline Silica, respirable powder	Category 1
Reproductive toxicity	: Not available	
Teratogenicity	: Not available	
Mutagenicity	: Not available	
Reproductive Toxicity	: Not available	
Specific Target Organ Toxicity (single exposure)	: Not available	
Specific Target Organ Toxicity (repeated exposure)	: Crystalline Silica, respirable powder	Category 1
Aspiration hazard	: Not available	

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Copper (7440-50-8)	
EC50	1,100 µg/L (Lemna minor, 4 days) 2.1 µg/L (Daphnia longispina, 48 hours)
IC50	13 µg/L (pseudokircheriella subcapitata, 72 hours) 5.4 mg/L (plantae, 72 hours)
LC50	0.072 µg/L (Amphipoda, 48 hours) 7.56 µg/L (Periophthalmus waltori, 96 hours)
NOEC	2.5 µg/L (Nitzschia Closterium, 72 hours) 7 mg/L (Ceratophyllum demersum, 3 days) 0.02 mg/L (Cambarus, 21 days) 2 µg/L (Daphnia magna, 21 days) 0.8 µg/L (Oreochromis niloticus, 6 weeks)

### 12.2. Persistence and Degradability

There is no data available.

### 12.3. Bioaccumulative Potential

No further relevant information available.

### 12.4. Mobility in Soil

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Soil/Water Partition Coefficient ( $K_{oc}$ )

Not available

Other adverse effects:

No known significant effects or critical hazards

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should 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 empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### SECTION 14: Transport information

UN Number	UN3077
UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Copper)
Transport Hazard Class(es)	9
Packing Group	III
Environmental Hazards	Yes (Copper)

DOT Classification: Non-bulk packaged of this product are not regulated as hazardous materials unless transported by inland waterway. This product is not regulated when transported in sizes of  $\leq 5$  L or  $\leq 5$  kg, provided the packagings meet the general provisions of § 173.24 and 173.24a.

### SECTION 15: Regulatory information

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

##### 15.1.1. US Federal Regulations

###### TSCA

All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

###### Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPS)

DEA List I chemicals (precursor chemicals):

DEA List II Chemicals (essential chemicals):

SARA 302/304:

SARA 304 RQ:

SARA 311/312:

###### Classification

Crystalline silica, respirable powder

CARCINOGENICITY

SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure)

SPECIFIC TARGET ORGAN TOXICITY

(Repeated Exposure) (respiratory tract, inhalation)

Category 1

Category 1

Category 1

###### SARA 313

Form R – Reporting requirements

Copper (7440-50-8)

Supplier Notification

Copper (7440-50-8)

##### 15.1.1. US State Regulations

###### California Prop 65

WARNING: This product can expose you to chemicals including Crystalline Silica, which is known to the State of California to cause cancer.

For more information, go to [www.P65Warnings.ca/gov](http://www.P65Warnings.ca/gov)

###### Massachusetts

Distillates (petroleum), solvent refined heavy naphthenic

Distillates (petroleum), hydrotreated light naphthenic

Limestone

Hydrous Magnesium silicate

Copper

###### New York

Copper

###### New Jersey

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Distillates (petroleum), solvent refined heavy naphthenic  
Distillates (petroleum), hydrotreated light naphthenic  
Limestone  
Crystalline silica, respirable powder  
Hydrous Magnesium silicate  
Copper

### Pennsylvania

Limestone  
Crystalline silica, respirable powder  
Hydrous Magnesium silicate  
Copper

## SECTION 16: Other information

### Indication of changes

Updated to new style.

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine 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.