# PRO BRANDS

# SAFETY DATA SHEET

## 1. Identification

Product identifier LPS® Copper Anti-Seize

Other means of identification

**Part Number** 02908, 02910, C02908, C02910

Recommended use A low-friction anti-seize lubricant designed to prevent seizure and galling and resist settling and

hardening of welding.

**Recommended restrictions** None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name ITW Pro Brands
Address 4647 Hugh Howell Rd.

Tucker, GA 30084

Country (U.S.A.)

Tel: +1 770-243-8800

**In Case of Emergency** 1-800-424-9300

1-703-527-3887

Website www.lpslabs.com

E-mail lpssds@itwprobrands.com

Supplier ITW Permatex Canada
1-35 Brownridge Road

Halton Hills, ON, L7G 0C6

Canada

1-800-241-8334

## 2. Hazard(s) identification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.

Label elements

Hazard symbol None.
Signal word None.

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statement** 

**Prevention** Observe good industrial hygiene practices.

Response Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

Other hazards None known.

Supplemental information None.

## 3. Composition/information on ingredients

**Mixtures** 

Chemical nameCommon name and synonymsCAS number%Copper7440-50-81 - 5

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

1/8

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Rinse mouth. Get medical attention if symptoms occur. Ingestion Direct contact with eyes may cause temporary irritation. Most important

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special Treat symptomatically.

treatment needed

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting

Use water spray to cool unopened containers.

equipment/instructions Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

## Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away.

Methods and materials for containment and cleaning up

Prevent entry into waterways, sewer, basements or confined areas. Following product recovery,

flush area with water.

**Environmental precautions** 

Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

Precautions for safe handling

Avoid prolonged exposure. Observe good industrial hygiene practices.

Conditions for safe storage. including any incompatibilities Store in original tightly closed container.

## 8. Exposure controls/personal protection

## Occupational exposure limits

#### **US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Copper (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
		0.2 mg/m3	Fume.
Magnesium Silicate Hydrate (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
Canada. Alberta OELs (Occupation	al Health & Safety Code, Sc	hedule 1, Table 2)	
Components	Туре	Value	Form
Calcium Carbonate (CAS 1317-65-3)	TWA	10 mg/m3	
Copper (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
		0.2 mg/m3	Fume.
Magnesium Silicate Hydrate (CAS 14807-96-6)	TWA	2 mg/m3	Respirable particles.

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Туре	Value	Form
Calcium Carbonate (CAS 1317-65-3)	STEL	20 mg/m3	Total dust.
	TWA	3 mg/m3	Respirable fraction
		10 mg/m3	Total dust.
Copper (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
,		0.2 mg/m3	Fume.
Magnesium Silicate Hydrate (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.
Canada. Manitoba OELs (Reg. 217	/2006, The Workplace Safety	And Health Act)	
Components	Туре	Value	Form
Copper (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
,		0.2 mg/m3	Fume.
Magnesium Silicate Hydrate (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction
Canada. Ontario OELs. (Control of	Exposure to Biological or C	hemical Agents)	
Components	Type	Value	Form

Components	Туре	Value	Form
Copper (CAS 7440-50-8)	TWA	1 mg/m3	Dust and fume.
		0.2 mg/m3	Fume.
Magnesium Silicate Hydrate (CAS 14807-96-6)	TWA	2 fibers/ml	
		2 mg/m3	Respirable fraction.

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Туре	Value	Form	
Calcium Carbonate (CAS 1317-65-3)	TWA	10 mg/m3	Total dust.	
Copper (CAS 7440-50-8)	TWA	1 mg/m3 0.2 mg/m3	Dust and mist. Fume.	
Magnesium Silicate Hydrate (CAS 14807-96-6)	TWA	3 mg/m3	Respirable dust.	

**Biological limit values**No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

**Hand protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove

supplier.

Other Wear suitable protective clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

## 9. Physical and chemical properties

Appearance

Physical state Solid.
Form Paste.

ColorCopper, Bronze.OdorSlight petroleum odor

Odor threshold Not available.

Not available. pН Melting point/freezing point Not available. Initial boiling point and boiling Not available.

range

Flash point 419.2 °F (215.1 °C) Cleveland Open Cup

**Evaporation rate** Not available. Not applicable. Flammability (solid, gas) Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

Not available.

(%)

**Explosive limit - lower (%)** Not available. Explosive limit - upper (%) Not available. Not available. Vapor pressure Vapor density Not available. 1.21 g/ml Relative density

Solubility(ies)

Solubility (water) Insoluble in water Partition coefficient Not available.

(n-octanol/water)

Not available. Auto-ignition temperature Not available. **Decomposition temperature Viscosity** Not available.

Other information

**Explosive properties** Not explosive. Oxidizing properties Not oxidizing.

VOC None

## 10. Stability and reactivity

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

Material is stable under normal conditions. Chemical stability Possibility of hazardous Hazardous polymerization does not occur.

reactions

Conditions to avoid Contact with incompatible materials. Strong oxidizing agents. Acids. Alkalies. Incompatible materials Hazardous decomposition Carbon oxides. Halogenated materials.

products

# 11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact No adverse effects due to skin contact are expected. Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

**Acute toxicity** 

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Components Species Test Results

Copper (CAS 7440-50-8)

Acute Dermal

LD50 Rat > 2000 mg/kg, 24 Hours

Distillates, Petroleum, Solvent-refined Heavy Naphthenic (CAS 64741-96-4)

Acute Dermal

LD50 Rabbit > 2000 mg/kg

Oral

LD50 Rat > 2000 mg/kg

**Skin corrosion/irritation**Prolonged skin contact may cause temporary irritation. **Serious eye damage/eye**Direct contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

Canada - Alberta OELs: Irritant

Calcium Carbonate (CAS 1317-65-3) Irritant

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**ACGIH Carcinogens** 

Magnesium Silicate Hydrate (CAS 14807-96-6)

A4 Not classifiable as a human carcinogen.

Canada - Manitoba OELs: carcinogenicity

Magnesium Silicate Hydrate (CAS 14807-96-6)

Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Magnesium Silicate Hydrate (CAS 14807-96-6) 2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity**This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not likely, due to the form of the product.

Chronic effects Prolonged inhalation may be harmful.

Further information None known.

12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

Components Species Test Results

Copper (CAS 7440-50-8)

Aquatic

Crustacea EC50 Water flea (Daphnia magna) 0.036 mg/l, 48 hours

Fish LC50 Fathead minnow (Pimephales promelas) 0.0319 - 0.0544 mg/l, 96 hours

**Persistence and degradability** No data is available on the degradability of this product.

Bioaccumulative potentialNo data available.Mobility in soilNo data available.Other adverse effectsNone known.

13. Disposal considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

The waste code should be assigned in discussion between the user, the producer and the waste Hazardous waste code

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

# 14. Transport information

**TDG** 

UN number UN3077

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper), MARINE **UN** proper shipping name

**POLLUTANT** 

Transport hazard class(es)

Class 9 Subsidiary risk Ш Packing group **Environmental hazards** Yes

Special precautions for user Not available.

**IATA** 

UN3077 **UN** number

**UN** proper shipping name Environmentally hazardous substance, solid, n.o.s. (Copper)

Transport hazard class(es)

9 Class Subsidiary risk Ш Packing group **Environmental hazards** Yes **ERG Code** 9L

Special precautions for user Not available.

Other information

Passenger and cargo

aircraft

Allowed with restrictions.

Cargo aircraft only Allowed with restrictions.

**IMDG** 

UN3077 **UN number** 

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper), MARINE **UN proper shipping name** 

**POLLUTANT** 

Not applicable.

Transport hazard class(es)

**Class** 9 Subsidiary risk Ш Packing group

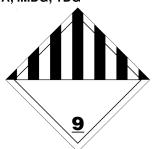
**Environmental hazards** 

Marine pollutant Yes F-A, S-F Special precautions for user Not available.

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

IATA; IMDG; TDG



## Marine pollutant



**General information** IMDG Regulated Marine Pollutant.

## 15. Regulatory information

#### Canadian regulations

## **Controlled Drugs and Substances Act**

Not regulated.

## Export Control List (CEPA 1999, Schedule 3)

Not listed.

#### **Greenhouse Gases**

Not listed.

## Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

Copper (CAS 7440-50-8)

## **Precursor Control Regulations**

Not regulated.

#### International regulations

#### **Stockholm Convention**

Not applicable.

## **Rotterdam Convention**

Not applicable.

## **Kyoto protocol**

Not applicable.

## **Montreal Protocol**

Not applicable.

#### **Basel Convention**

Not applicable.

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Toxic Chemical Substances (TCS)	Yes

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Toxic Substances Control Act (TSCA) Inventory

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United States & Puerto Rico

Yes

#### 16. Other information

 Issue date
 07-19-2016

 Revision date
 11-17-2017

Version # 02

**Disclaimer** ITW Pro Brands cannot anticipate all conditions under which this information and its product, or

the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless

specified in the text.

**Revision information** Composition / Information on Ingredients: Ingredients

Physical & Chemical Properties: Multiple Properties Stability and reactivity: Hazardous decomposition products

Stability and reactivity: Incompatible materials Regulatory Information: Risk Phrases - Labeling

HazReg Data: North America

GHS: Classification

Material name: LPS® Copper Anti-Seize

SDS CANADA