

Safety Data Sheet

SDS ID: Stock Code CU

Revision date: February 13, 2023

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: TALON Copper Anti-Seize Lubricant and Thread Sealant

Synonyms: None

Chemical family: N/A

Producer: J.C. Whitlam Manufacturing Company

200 West Walnut Street

P.O. Box 380

Wadsworth, Ohio 44282-0380

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Telephone: 330-334-2524 Available during normal business hours

Emergency: 330-334-2524 Available during normal business hours

Section 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

GHS Classification

Skin Sensitizer Category 2 Eye

Irritation Category 2A

Label Elements:

Warning



Hazard Phrases:

H315 May cause skin irritation

H319 Causes serious eye irritation

Precautionary Phrases:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe mist or vapor.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.

P405 Store locked up.

P308+P313 IF exposed or concerned: Get medical attention.

P501 Dispose of contents in accordance with local, regional and national regulations.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Material information:

Name	CAS No.	Weight %
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	60-80
Copper	7440-50-8	10-25
Graphite	7782-42-5	10-25

***Note:** The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.

Section 4. FIRST AID MEASURES

Inhalation: Remove from exposure. Get medical attention if experiencing cough, irritation or difficult breathing.

Skin contact: Wash thoroughly with soap and water. If irritation occurs, get medical attention.

Ingestion: Get immediate medical attention. DO NOT INDUCE VOMITING! Possible aspiration hazard.

Eye contact: Flush with copious amounts of water. Get immediate medical attention.

Notes to Physician: The hydrocarbons contained in this product are mild irritants of the eyes and mucous membranes, central nervous system depressants, and primary chemical irritants of the skin. Prolonged or repeated skin contact, especially with poor personal hygiene, may cause skin disorders.

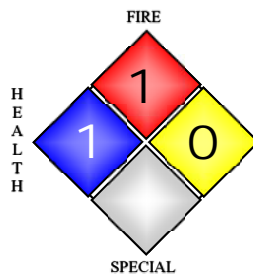
Section 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water fog, foam or carbon dioxide may be suitable for extinguishing fires involving this product.

Specific hazards: Combustion products are highly dependent on the combustion conditions. CO, CO₂, CaO, oxygenates and unidentified organic compounds may be formed during combustion. High temperatures may produce metal fume, vapor, and/or dust. Combustion products may cause effects of overexposure as noted in Section 2 Hazards Identification. They may also cause headache; dizziness; coma; convulsion; weakness; drowsiness; tachypnea; nausea; paresthesia; dyspnea; asphyxiation; mild to severe eye, skin or respiratory tract irritation; metal fume fever; metallic taste in mouth; cough; pneumonia; pneumoconiosis; ulceration or perforation of the nasal septum and/or lung damage. Product fume and/or vapor may be irritating or toxic if inhaled. The product or its dust, can react vigorously with strong oxidizing agents.

Special protective equipment and precautions for firefighters: Use full-body protection and full-face, self-contained breathing apparatus operated in a positive pressure mode. Use water spray (fog) to cool containers and disperse vapors.

NFPA rating: HMIS rating:		
Health:	1	1
Flammability:	1	1
Instability/reactivity:	0	0
Other:	N/A	B (PPE)



Slightly Hazardous
FP - above 200° F
Stable
N/A

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with the skin and the eyes.
Large Spill:	Keep petroleum products out of streams and waterways. Assure conformity with applicable government regulations.
Methods for Containment and Clean up	Clean area with an appropriate cleanser.

Section 7. HANDLING AND STORAGE

Handling:	The two major means of metal absorption are inhalation and ingestion. After use, always wash hands before smoking, eating, or drinking. Smoking, eating, and drinking should be confined to uncontaminated areas. Work clothes and equipment should remain in designated areas. Before reuse, launder contaminated clothing separate from personal clothing. Avoid skin contact and use personal protection when handling product, waste product, or contaminated equipment. Wash with soap and water after use. Prolonged and repeated contact can cause defatting action of the skin and may cause disorders such as dermatitis, folliculitis, and oil acne. This product is intended for industrial use only. Isolate from children and their environment. This product may separate. Stir well before use. The flash point of this product depends on the degree of separation.
Storage:	Store in a cool, dry area where accidental contact with acids is not possible. Do not store or handle near high temperature or open flame. Keep storage containers closed when not in use.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Name	CAS No.	ACGIH® TLV® Exposure Limits:	Federal OSHA PELs	OSHA PELs 1989
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	TWA: 5 mg/m ³	N/A	N/A
Copper	7440-50-8	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³	N/A	0.1
Graphite	1305-78-8	TWA: 2 mg/m ³	N/A	TWA: 15 mg/m ³

All exposure limits listed are 8-hour time weighted average (TWA) — except where noted otherwise.

Time Weighted Average (TWA) is an average exposure over the course of an 8-hour work shift.

A Short Term Exposure Limit TWA over the course of 15 minutes.

PEL — Permissible Exposure Limit is the maximum 8-hour TWA concentration of a chemical that a worker may be exposed to under Occupational Safety and Health Administration (OSHA) regulations.

Federal OSHA 1989 PELs were vacated but are in use and enforced by many state OSHA plans.

Engineering measures: Provide adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: No respiratory equipment is required for normal use.

Skin and body protection: Clothing appropriate for an industrial environment should be worn.

Eye protection: Vented goggles or safety glasses with side shields.

Hygiene measures: When using, do not eat, drink or smoke. Avoid contact with skin, eyes and clothing. Wash hands immediately after handling the product.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Copper-black
Physical state (solid/liquid/gas):	Solid
Substance type (pure/mixture):	Mixture
Color:	Copper-black
Odor:	Petroleum odor
Molecular weight:	Not available
pH:	Not applicable
Boiling point/range (5-95%):	N/A
Melting point/range:	Not available
Decomposition temperature:	Not available
Specific gravity:	1.1
Vapor density:	(AIR = 1) >1
Vapor pressure:	Not available
Evaporation rate (Butyl acetate= 1):	<1
Flash point, method used:	350°F, ASTM D 92, C.O.C.
Water solubility:	Negligible
VOC Content:	<1%
Auto-ignition temperature:	Not available
Flammable limits in air — lower (%):	Not available
Flammable limits in air — upper (%):	Not available

Section 10. STABILITY AND REACTIVITY

Reactivity:	Hazardous polymerization will not occur
Stability:	Stable under normal circumstances
Possibly hazardous reactions:	Not applicable
Conditions to avoid:	Not applicable
Incompatible Materials:	Strong oxidizers or acids.
Hazardous decomposition products:	Oxides of carbon and sulfur
Polymerization:	Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Product may cause irritation to the eyes and/or skin. Ingestion of the product may cause gastrointestinal irritation and upset.

Product information:

Name	CAS No.	Inhalation:	Dermal:	Oral: LD ₅₀
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	64742-52-5	N/A	2,000 mg/kg (rabbit)	5,000, mg/kg (rat)
Copper (7440-50-8)	7440-50-8	N/A	>2,000, mg/kg (rat)	2,500, mg/kg (rat)
Graphite (7782-42-5)	7782-42-5	N/A	N/A	N/A

LD₅₀ — The concentration of the chemical in air that kills 50% of the test animals in a given time (usually four hours).

Section 12. ECOLOGICAL INFORMATION

Component	Freshwater Algae	Freshwater Fish	Water Flea
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	1,000mg/L (96 hr), Scenedesmus subspicatus	5,000 mg/L Oncorhynchus mykiss (96hr)	N/A
Copper (1440-50-8)	EC50 = 120 mg/L 72 h Pseudokirchneriella subcapitata	LC50 .0103 mg/L Pimephales promelas 96 h	EC50 = 0.0025 mg/L 48 h
Graphite (7782-42-5)	N/A	N/A	N/A

Section 13. DISPOSAL CONSIDERATIONS

Cleanup considerations: Discard in accordance with local, state, and federal regulations. Empty containers are exempt from RCRA Subtitle C if they contain no more than 2.5 cm of their original contents in the bottom of the container or less than 3% of the original net weight (less than 0.3% by weight for containers over 110 gallons), or if the residue is analyzed and demonstrated to be nonhazardous.

"Empty" containers retain residue and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY AND/OR DEATH. "Empty" containers should be completely drained and properly sealed. Recycle or discard plastic liner, pail or drum in accordance with local, state, and federal regulations.

"Empty" drums may be sent to a drum reconditioner.

Section 14. TRANSPORT INFORMATION

DOT Not regulated by Ground unless it is being shipped by vessel, then it may be classified on documentation as UN3077 Environmentally Hazardous Substance, Solid, n.o.s. (Copper Metal Powder), Class 9, PGIII, Marine Pollutant. (Prepared in compliance with IMDG).

TDG Not regulated by Ground unless it is being shipped by vessel, then it may be classified on documentation as UN3077 Environmentally Hazardous Substance, Solid, n.o.s. (Copper Metal Powder), Class 9, PGIII, Marine Pollutant.

IATA UN3077 Environmentally Hazardous Substance, Solid, n.o.s. (Copper Metal Powder), Class 9, PGIII.

IMDG/IMO UN3077, Environmentally Hazardous Substance, Solid, n.o.s. (Copper Metal Powder), Class 9, PGIII, Marine Pollutant.

Section 15. REGULATORY INFORMATION

U.S Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Chronic Health Hazard	Yes
Acute Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CERCLA

Copper Hazardous Substances RQs = 5000

U.S State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

Other International Regulations

Mexico - Grade No information available
Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

Section 16. OTHER INFORMATION

The information and recommendations contained herein are based upon tests, data, and information resources believed to be reliable. However, the J.C. Whitlam Manufacturing Company, Inc., and its related operations or divisions (Whitlam) do not guarantee the accuracy or completeness, nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of goods, the merchantability of the goods or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage may be required. Whitlam assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of this data. No warranty against infringement of any patent, copyright or trademark is made or implied.