

1. Product and Company Identification

Product Code: C684
Product Name: Copper Anti-Seize
Company Name: CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477
Phone Number: (800)843-7813

Web site address: www.cyclo.com
Email address: ehs@cyclo.com

Emergency Contact: First Aid Emergency (800)752-7869
CHEMTREC (703) 527-3887 (800)424-9300

Information: First Aid Emergency (Outside U.S.) (312)906-6194

2. Hazards Identification

Carcinogenicity, Category 1B

Specific Target Organ Toxicity (single exposure), Category 3

Specific Target Organ Toxicity (repeated exposure), Category 1



GHS Signal Word: **Danger**

GHS Hazard Phrases:

H320: Causes eye irritation.
H350: May cause cancer.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H372: Causes damage to organs through prolonged or repeated exposure.
H413: May cause long lasting harmful effects to aquatic life.

GHS Precaution Phrases:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P281: Use personal protective equipment as required.
P271: Use only outdoors or in a well-ventilated area.
P270: Do not eat, drink or smoke when using this product.
P264: Wash hands thoroughly after handling.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.

GHS Response Phrases:

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P363: Wash contaminated clothing before reuse.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

GHS Storage and Disposal Phrases:

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.
P403+233: Store container tightly closed in well-ventilated place.

**Potential Health Effects
(Acute and Chronic):**

Relative routes of entry: skin, inhalation, eyes, ingestion.

Skin Contact: usually no effect, however, as with any chemical product, prolonged, excessive, or repeated exposure may cause mild to moderate skin irritation, exhibited by redness, drying and cracking of unprotected skin.

Eye Contact: may irritate with slight pain and redness.

Respiratory/Inhalation: usually none, however, as with any chemical product, some irritation may occur.

Ingestion: Amounts transferred to mouth by fingers, etc. during normal operation should not cause injury.

Medical Conditions Generally Aggravated By Exposure: May irritate existing allergic skin conditions.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	40.0 -60.0 %
7782-42-5	Graphite	10.0 -25.0 %
7440-50-8	Copper	10.0 -20.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

If swallowed, do not induce vomiting. If inhaled, remove to fresh air. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do. Continue rinsing. In case of skin contact, remove contaminated clothing. Wash affected area with soap and rinse with plenty of water. Wash clothing before reuse. Call physician immediately if adverse reaction occurs.

5. Fire Fighting Measures

Flash Pt:	210.00 C (410.0 F) Method Used: Cleveland Open Cup
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Carbon dioxide, foam, dry chemicals.
Fire Fighting Instructions:	Air mask and procedures for fighting chemical fires. Do not inhale gases.
Flammable Properties and Hazards:	No data available.
	No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	Scoop up into waste container or soak up with absorbent material. Store in a closed container until disposal. Dispose of material according to regulations. Prevent material from entering flood drains, sewers or any bodies of water.
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7. Handling and Storage

Precautions To Be Taken in Handling:	No special precautions necessary if used properly. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Wash hands thoroughly at mealtime and end of shift. Keep out of the reach of children.
Precautions To Be Taken in Storing:	Isolated storage facility/warehouse not required. Store in a cool, dry location (60-90 degrees F) in a well-ventilated area in original container. Keep container tightly closed



when not in use.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	PEL: 532.5 ppm/15 mppcf	No data.	No data.
7782-42-5	Graphite	PEL: 532.5 ppm/15 mppcf	No data.	No data.
7440-50-8	Copper	PEL: 0.1 (fume)/ 1.0	TLV: 0.2 mg/m3 (fume) 1 mg/m3 (dust)	No data.

Respiratory Equipment (Specify Type): No respiratory protection required, but normal good ventilation is recommended. Forced ventilation may be required if concentrations exceed normal exposures.

Eye Protection: Not required if application method is proper. Avoid contact with eyes.

Protective Gloves: Not required, but if desired, use impermeable gloves (neoprene, butyl rubber or natural rubber) as necessary to avoid skin contact.

Other Protective Clothing: Not required, but if desired, use plastic apron.

Engineering Controls (Ventilation etc.): No data available.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Copper color. Mild/inoffensive odor.

pH: NE

Melting Point: No data.

Boiling Point: > 600.00 F (315.6 C)

Flash Pt: 210.00 C (410.0 F) Method Used: Cleveland Open Cup

Evaporation Rate: NE

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): < 5@30F

Vapor Density (vs. Air = 1): No data.

Specific Gravity (Water = 1): 1.1

Solubility in Water: Insoluble

Percent Volatile: 0.0 % by weight.

Autoignition Pt: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Strong oxidizing agents.

Incompatibility - Materials To Avoid: No data available.

Hazardous Decomposition or Byproducts: None if used according to specifications.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.



11. Toxicological Information

Toxicological Information: No harmful effects have been determined if this product is used and handled according to specifications.

CAS# 64742-52-5:

Mutagenicity:, Mutation test: Mutation in microorganisms., 10.00 UL/PLAT, Bacteria - Salmonella typhimurium,.

Results:

Behavioral: Coma.

Biochemical:Metabolism (intermediary): Other.

- Cell Biology and Toxicology., Princeton Scientific Pub., Inc., 301 N. Harrison St., CN 5279, Princeton, NJ 08540, Vol/p/yr: 2,63, 1986

Acute toxicity, LD (Lethal dose), Oral, Rat, > 5.000 GM/KG.

Results:

Tumorigenic: Neoplastic by RTECS criteria.

Lungs, Thorax, or Respiration: Tumors.

Tumorigenic:Tumors at site of application.

- Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,133, 1990

Acute toxicity, LD (Lethal dose), Skin, Species: Rabbit, > 5.000 GM/KG.

Results:

Behavioral: Coma.

Biochemical:Metabolism (intermediary): Other.

- Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,133, 1990

Tumorigenic Effects:, TDLo, Skin, Mouse, 480.0 GM/KG, 80 W.

Results:

Tumorigenic: Neoplastic by RTECS criteria.

Skin and Appendages: Other: Tumors.

Tumorigenic:Tumors at site of application.

- United States Environmental Protection Agency, Office of Pesticides and Toxic Substances., U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances, 401 M St., SW, Washington, DC 20460, Vol/p/yr: 8EHQ-0887-,

Tumorigenic Effects:, TDLo, Skin, Mouse, 402.0 GM/KG, 78 W.

Results:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Skin and Appendages: Other: Tumors.

Tumorigenic:Tumors at site of application.

- British Journal of Cancer., Macmillan Press Ltd, Houndmills, Basingstoke, Hampshire RG21 2XS UK, Vol/p/yr: 48,429, 1983

Tumorigenic Effects:, TDLo, Skin, Mouse, 398.0 GM/KG, 22 W.

Results:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Skin and Appendages: Other: Tumors.

Tumorigenic:Tumors at site of application.

- British Journal of Cancer., Macmillan Press Ltd, Houndmills, Basingstoke, Hampshire RG21 2XS UK, Vol/p/yr: 48,429, 1983



SAFETY DATA SHEET

Copper Anti-Seize

Revision: 07/08/2015
Supersedes Revision: 05/05/2014

Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, Severe.

Results:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Skin and Appendages: Other: Tumors.

Tumorigenic: Tumors at site of application.

- Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,133, 1990

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	n.a.	n.a.	n.a.	n.a.
7782-42-5	Graphite	n.a.	n.a.	n.a.	n.a.
7440-50-8	Copper	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: Do not allow to enter into drains or surface water. Class 2 per German regulation.

13. Disposal Considerations

Waste Disposal Method: Dispose of contents/container in accordance with local/regional/national/international regulation.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not-Restricted

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not-Restricted

UN Number:

Hazard Class:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not-Restricted

UN Number:

Hazard Class:

Packing Group:**IMDG MFAG Number:****Marine Pollutant:** No**IMDG EMS Page:****AIR TRANSPORT (ICAO/IATA):**

ICAO/IATA Shipping Name: Unrestricted

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	No	No	No
7782-42-5	Graphite	No	No	No
7440-50-8	Copper	No	Yes 5000 LB	Yes-Cat. N100



SAFETY DATA SHEET

Copper Anti-Seize

Revision: 07/08/2015
Supersedes Revision: 05/05/2014

CAS # **Hazardous Components (Chemical Name)**
64742-52-5 Mineral oil, petroleum distillates, hydrotreated heavy naphthenic

Other US EPA or State Lists
CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 3325; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes
CAA HAP,ODC: No; CWA NPDES: Yes; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: CMR, Part 5; NC TAP: No; NJ EHS: Yes - 0528; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: Yes

7782-42-5 Graphite

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 3325; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes

7440-50-8 Copper

CAA HAP,ODC: No; CWA NPDES: Yes; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: CMR, Part 5; NC TAP: No; NJ EHS: Yes - 0528; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: Yes

CAS # **Hazardous Components (Chemical Name)**
64742-52-5 Mineral oil, petroleum distillates, hydrotreated heavy naphthenic

International Regulatory Lists
Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

7782-42-5 Graphite

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

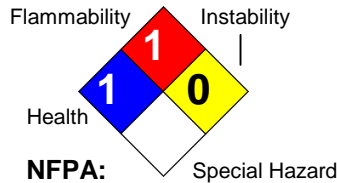
7440-50-8 Copper

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

16. Other Information

Revision Date: 07/08/2015

Hazard Rating System:



Additional Information About This Product: No data available.

Company Policy or Disclaimer:

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