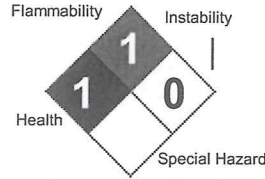




Anti-Seize

CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477



Revision: 01/30/2012
Supersedes Revision: 03/11/2010
Date Created: 03/11/2010

1. Product and Company Identification

Product Code: C-682
Product Name: Anti-Seize
Manufacturer Information
Company Name: CYCLO INDUSTRIES, INC.
Phone Number: (800)843-7813
Fax Number: (561)745-3867
Emergency Contact: First Aid Emergency (800)222-1222
Alternate Emergency Contact: Chemtrec (703) 527-3887 (800)424-9300
Information: First Aid Emergency (Outside U.S.) (312)906-6194
Web site address: www.cyclo.com
Email address: ehs@cyclo.com

2. Hazards Identification

Emergency Overview

WARNING: Eye & skin irritant.

Potential Health Effects (Acute and Chronic)

Skin Contact: Usually no effect, however, as with any chemical, 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 by mouth to fingers, etc. during normal operation should not cause injury.

Signs and Symptoms Of Exposure

No data available.

Medical Conditions Generally Aggravated By Exposure

May irritate existing allergic skin conditions.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	40.0 -60.0 %
2. Graphite	7782-42-5	10.0 -25.0 %
3. Copper	7440-50-8	10.0 -20.0 %
4. Aluminum	7429-90-5	5.0 -10.0 %
5. Zinc oxide	1314-13-2	2.0 -10.0 %

4. First Aid Measures

Emergency and First Aid Procedures

If swallowed, do not induce vomiting. If inhaled, remove to fresh air. In case of eye contact, flush with water for at least 15 minutes holding eyelid open. 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: TAG Closed Cup
Explosive Limits: LEL: No data. UEL: N.D.
Autoignition Pt: No data available.

Fire Fighting Instructions

Air mask and procedures for fighting chemical fires. Do not inhale gases.

Flammable Properties and Hazards

No data available.

Hazardous Combustion Products

No data available.

Suitable Extinguishing Media

Carbon dioxide, foam, dry chemicals.

Unsuitable Extinguishing Media

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.

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

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No data.	No data.	No data.
2. Graphite	7782-42-5	PEL: 532.5 ppm/15 mppcf	No data.	No data.
3. Copper	7440-50-8	PEL: 0.1 (fume)/ 1.0	TLV: 0.2 mg/m3 (fume) 1 mg/m3 (dust)	No data.
4. Aluminum	7429-90-5	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3 (dust)	No data.
5. Zinc oxide	1314-13-2	PEL: 5 (fume); 15 (dust) mg/m3	TLV: 2 mg/m3 (R) STEL: 10 mg/m3 (R)	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.

Work/Hygienic/Maintenance Practices

Eye wash stations should be located within 100 feet or 10 second walk of the work area.

9. Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input checked="" type="checkbox"/> Solid
Melting Point:	No data.		
Boiling Point:	> 600.00 F (315.6 C)		
Autoignition Pt:	No data.		
Flash Pt:	210.00 C (410.0 F) Method Used: TAG Closed Cup		
Specific Gravity (Water = 1):	1.1		
Vapor Pressure (vs. Air or mm Hg):	< 5 at 30.0 F (-1.1 C)		
Vapor Density (vs. Air = 1):	No data.		
Evaporation Rate (vs Butyl Acetate=1):	NE		
Solubility in Water:	Insoluble		
Percent Volatile:	No data.		

Appearance and Odor

Silver grey paste. Mild/inoffensive odor.

10. Stability and Reactivity

Stability: Unstable Stable

Conditions To Avoid - Instability

Strong oxidizing agents.

Incompatibility - Materials To Avoid

No data available.

Hazardous Decomposition Or Byproducts

None if used and stored according to specifications.

Possibility of Hazardous Reactions: Will occur Will not occur

Conditions To Avoid - Hazardous Reactions

No data available.

11. Toxicological Information

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

Chronic Toxicological Effects

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	n.a.	n.a.	n.a.	n.a.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
2. Graphite	7782-42-5	n.a.	n.a.	n.a.	n.a.
3. Copper	7440-50-8	n.a.	n.a.	n.a.	n.a.
4. Aluminum	7429-90-5	n.a.	n.a.	n.a.	n.a.
5. Zinc oxide	1314-13-2	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

Water Hazard: Do not allow entry into drains or surface water.

13. Disposal Considerations

Waste Disposal Method

Small quantities can be disposed with normal household waste. Disposal should be made in accordance with federal, state and local regulations. Not an RCRA hazardous waste.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name: Not-Restricted

AIR TRANSPORT (ICAO/IATA)

ICAO/IATA Shipping Name: Unrestricted

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Copper Metal Powder), Ltd. Qty.

UN Number: 3082

Packing Group: III

IMDG Classification: 9

Marine Pollutant: Yes

Additional Transport Information

No data available.

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No	No	No	No
2. Graphite	7782-42-5	No	No	No	No
3. Copper	7440-50-8	No	Yes 5000 LB	Yes-Cat. N100	No
4. Aluminum	7429-90-5	No	No	Yes	Yes
5. Zinc oxide	1314-13-2	No	No	Yes-Cat. N982	No

Other US EPA or State Lists

Hazardous Components (Chemical Name)	CAS #	CAA HAP,ODC	CWA NPDES	TSCA	CA PROP.65
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No	No	Inventory	No
2. Graphite	7782-42-5	No	No	Inventory	No
3. Copper	7440-50-8	No	Yes	Inventory	No
4. Aluminum	7429-90-5	No	Yes	Inventory	No
5. Zinc oxide	1314-13-2	No	No	Inventory	No

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No	No	No	No

Anti-Seize

Revision: 01/30/2012
 Supercedes Revision: 03/11/2010

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
2. Graphite	7782-42-5	Title 8	No	No	No
3. Copper	7440-50-8	TAC, Title 8	Yes	CMR, Part 5	No
4. Aluminum	7429-90-5	TAC, Title 8	No	No	No
5. Zinc oxide	1314-13-2	Title 8	No	No	No

Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No	No	No	No
2. Graphite	7782-42-5	Yes - 3325	No	Yes - 1	No
3. Copper	7440-50-8	Yes - 0528	Yes	Yes - E	No
4. Aluminum	7429-90-5	Yes - 0054	No	Yes - E	No
5. Zinc oxide	1314-13-2	Yes - 2037	No	Yes - E	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No
2. Graphite	7782-42-5	Yes
3. Copper	7440-50-8	Yes
4. Aluminum	7429-90-5	Yes
5. Zinc oxide	1314-13-2	No

International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	Yes	No	No
2. Graphite	7782-42-5	Yes	No	No
3. Copper	7440-50-8	Yes	No	No
4. Aluminum	7429-90-5	Yes	No	No
5. Zinc oxide	1314-13-2	Yes	No	No

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

- Sec.302:** EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.
- Sec.304:** EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.
- Sec.313:** EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.
- Sec.110:** EPA SARA 110 Superfund Site Priority Contaminant List

TSCA (Toxic Substances Control Act) Lists:

- Inventory:** Chemical Listed in the TSCA Inventory.
- 5A(2):** Chemical Subject to Significant New Rules (SNURS)
- 6A:** Commercial Chemical Control Rules
- 8A:** Toxic Substances Subject To Information Rules on Production
- 8A CAIR:** Comprehensive Assessment Information Rules - (CAIR)
- 8A PAIR:** Preliminary Assessment Information Rules - (PAIR)
- 8C:** Records of Allegations of Significant Adverse Reactions
- 8D:** Health and Safety Data Reporting Rules
- 8D TERM:** Health and Safety Data Reporting Rule Terminations

12(b): Notice of Export

Other Important Lists:

CWA NPDES:	EPA Clean Water Act NPDES Permit Chemical
CAA HAP:	EPA Clean Air Act Hazardous Air Pollutant
CAA ODC:	EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)
CA PROP 65:	California Proposition 65
CA TAC:	California AB 1807 - Toxic Air Contaminants
CA Title 8:	California Hazardous Substances List: Title 8, Sec. 339
MI CMR:	Michigan Critical Materials Register
MI Part 5:	Michigan DEQ WRP Part 5 Pollutants List
NC TAP:	North Carolina Toxic Air Pollutants
NJ EHS:	New Jersey Environmental Hazardous Substances List
NY Part 597:	New York Part 597 List of Hazardous Substances
PA HSL:	Pennsylvania Hazardous Substances List
SC TAP:	South Carolina Toxic Air Pollutants
WI Air:	Wisconsin Reportable Air Contaminants

International Regulatory Lists:

Canadian DSL:	Canada Domestic Substances List
Canadian NDSL:	Canada Non-Domestic Substances List
Taiwan TCSCA:	Taiwan Toxic Chemical Substances Control Act of 1986

16. Other Information

Company Policy or Disclaimer

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