

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Code:** C686
Product Name: Nickel Anti-Seize
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- | | | | |
|--------------------------|---|----------------------|---------------|
| Company Name: | CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477 | Phone Number: | (800)843-7813 |
| Web site address: | www.cyclo.com | | |
| Information: | First Aid Emergency (Outside U.S.) | | (312)906-6194 |
- 1.4 Emergency telephone number:**
- | | | |
|---------------------------|-------------------------|---------------|
| Emergency Contact: | First Aid Emergency | (800)752-7869 |
| | CHEMTREC (703) 527-3887 | (800)424-9300 |

Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:**
- 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:**
Skin Sensitization, Category 1
Carcinogenicity, Category 1B
Target Organ Systemic Toxicity (repeated exposure), Category 1
- 2.1.2 Classification according to Directive 1999/45/EC:**
- 2.2 Label Elements:**
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:**

**GHS Signal Word:** Danger**GHS Hazard Phrases:**

H317: May cause an allergic skin reaction.
H320: Causes eye irritation.
H335: May cause respiratory irritation.
H350: May cause cancer.
H372: Causes damage to organs through prolonged or repeated exposure.

GHS Precaution Phrases:

P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P362+364: Take off contaminated clothing and wash it before reuse.
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.
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:

P331: Do not induce vomiting.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

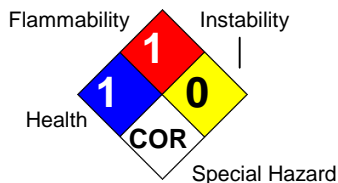
P302+352: IF ON SKIN: Wash with plenty of soap and water.
 P333+313: If skin irritation or rash occurs, seek medical advice/attention.
 P314: Get medical attention/advice if you feel unwell.

GHS Storage and Disposal Phrases:

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.
 P405: Store locked up.

2.2.2 Labeling according to Directive 1999/45/EC:

Hazard Rating System:



2.3 Adverse Human Health Relative routes of entry: skin, eyes, ingestion.

Effects and Symptoms:

Skin Contact: usually no effect, however, as with any chemical product, some irritation may occur.

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 May irritate existing allergic skin conditions.

Generally Aggravated

By Exposure:

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	40.0 -60.0 %	265-155-0 649-465-00-7	T; R45 Carcinogen 1B: H350
7440-02-0	Nickel	20.0 -30.0 %	231-111-4 028-002-00-7	Xn; R40-43 Skin Sens. 1: H317 Carcinogen 2: H351 TOST (RE) 1: H372
7782-42-5	Graphite	15.0 -30.0 %	231-955-3 NA	Xi; R36/37 No data available.
7429-90-5	Aluminum	2.0 -10.0 %	231-072-3 013-001-00-6	F; R15-17 Pyro. Sol. 1: H250 Water-React 2: H261

Section 4. First Aid Measures

- 4.1 Description of First Aid Measures:** 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.

Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Carbon dioxide, foam, dry chemicals.
- 5.2 Flammable Properties and Hazards:** No data available.
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.
- 5.3 Fire Fighting Instructions:** Air mask and procedures for fighting chemical fires. Do not inhale gases.

Section 6. Accidental Release Measures

- 6.3 Methods and Material For Containment and Cleaning Up:** 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.

Section 7. Handling and Storage

- 7.1 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.
- 7.2 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.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	No data.	No data.	No data.
7440-02-0	Nickel	No data.	TWA: 1 mg/m3	No data.
7782-42-5	Graphite	No data.	TWA: 2 mg/m3	No data.
7429-90-5	Aluminum	TWA: 10 mg/m3 (Inhalable dust) TWA: 4 mg/m3 (Respirable dust)	TWA: 10 mg/m3 (Metal) TWA: 5 mg/m3 (Powder)	No data.
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	No data.	No data.	No data.
7440-02-0	Nickel	PEL: 1 mg/m3	TLV: 1.5 mg/m3 (Inhalation)	No data.
7782-42-5	Graphite	PEL: 532.5 ppm/15 mppcf	No data.	No data.
7429-90-5	Aluminum	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3 (dust)	No data.



8.2 Exposure Controls:

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

8.2.2 Personal protection equipment:

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.

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

Work/Hygienic/Maintenance Practices: Eye wash stations should be located within 100 feet or 10 second walk of the work area.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

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

Appearance and Odor: Silver grey paste. 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: TAG Closed Cup

Evaporation Rate: NE

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

Vapor Pressure (vs. Air or mm Hg): < 1 @30F

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

Specific Gravity (Water = 1): 1.2

Solubility in Water: Insoluble

Autoignition Pt: No data.

9.2 Other Information

Percent Volatile: 0.0 % by weight.

Section 10. Stability and Reactivity

10.1 Reactivity: No data available.

10.2 Stability: Unstable [] Stable [X]

10.3 Conditions To Avoid - No data available.

Hazardous Reactions:

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

10.4 Conditions To Avoid - Strong oxidizing agents.
Instability:

10.5 Incompatibility - No data available.

Materials To Avoid:

10.6 Hazardous Decomposition Or None if used and stored according to specifications.

Byproducts:



Section 11. Toxicological Information

11.1 Information on Toxicological Effects:

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

Nickel Anti-Seize

Revision: 12/13/2013
Supersedes Revision: 01/30/2012

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.
7440-02-0	Nickel	Possible	2B	A5	n.a.
7782-42-5	Graphite	n.a.	n.a.	n.a.	n.a.
7429-90-5	Aluminum	n.a.	n.a.	n.a.	n.a.

Section 12. Ecological Information

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

Section 13. Disposal Considerations

13.1 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.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not-Restricted

DOT Hazard Class:

UN/NA Number:

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name:

UN Number:

Hazard Class:

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not-Restricted

UN Number:

Hazard Class:

Packing Group:

Marine Pollutant:

No

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Unrestricted

Section 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
7440-02-0	Nickel	No	Yes 100 LB	Yes
7782-42-5	Graphite	No	No	No
7429-90-5	Aluminum	No	No	Yes



CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	CAA HAP,ODC: No; CWA NPDES: No; TSCA: 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
7440-02-0	Nickel	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Inventory; CA PROP.65: Yes; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: CMR, Part 5; NC TAP: Yes; NJ EHS: Yes - 1341; NY Part 597: Yes; PA HSL: Yes - B; SC TAP: Yes; WI Air: Yes
7782-42-5	Graphite	CAA HAP,ODC: No; CWA NPDES: No; TSCA: 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
7429-90-5	Aluminum	CAA HAP,ODC: No; CWA NPDES: Yes; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 0054; NY Part 597: No; PA HSL: Yes - E; SC TAP: No; WI Air: Yes
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
7440-02-0	Nickel	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
7782-42-5	Graphite	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
7429-90-5	Aluminum	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

European Community Hazard Symbol codes:**European Community Risk and Safety Phrases:**

No data available.

Section 16. Other Information

Revision Date: 12/13/2013**Additional Information About** No data available.**This Product:****Company Policy or****Disclaimer:**

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