

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:** C661
Product Name: Chain & Cable Lube
- 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. **Phone Number:**
 902 SOUTH US HIGHWAY 1 (800)843-7813
 JUPITER, FL 33477
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]:
 Germ Cell Mutagenicity, Category 1B
 Carcinogenicity, Category 1B
 Aspiration Toxicity, Category 1
 Flammable Liquids, Category 2
- 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:

H225: Highly flammable liquid and vapor.
 H340: May cause genetic defects.
 H350: May cause cancer.
 H304: May be fatal if swallowed and enters airways.
 H280: Contents under pressure. May explode if heated.

GHS Precaution Phrases:

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P210: Keep away from heat/sparks/open flames/hot surfaces - no smoking.
 P240: Ground/bond container and receiving equipment.
 P241: Use explosion-proof electrical/ventilating/lighting equipment.
 P243: Take precautionary measures against static discharge.
 P242: Use only non-sparking tools.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors in a well-ventilated area.
 P281: Use personal protective equipment as required.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P370+378: In case of fire, use alcohol foam, carbon dioxide or dry chemical to extinguish.

P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P332+313: If skin irritation occurs, get medical advice/attention.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists, get medical advice/attention.

P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331: Do NOT induce vomiting.

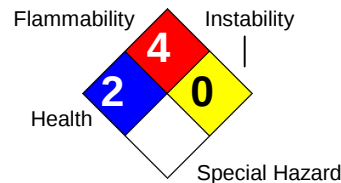
GHS Storage and Disposal Phrases:

P405: Store locked up.

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

2.2.2 Labeling according to Directive 1999/45/EC:

Hazard Rating System:



2.3 Adverse Human Health Eye Contact: Moderately irritating to the eyes.

Effects and Symptoms:

Skin Contact: Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis.

Inhalation: Prolonged inhalation may be harmful. Exposure to high doses may cause central nervous system depression (anesthetic-like effects). Doses which cause anesthetic-like effects may also cause adverse effects in liver, lungs and kidneys.

Ingestion: Ingestion is not considered to be a hazard encountered in normal industrial use. This material may be harmful or fatal if swallowed. Aspiration hazard.

Chronic Hazards: Overexposure may cause nervous system damage. Repeated contact with skin may irritate pre-existing skin conditions.

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
64742-49-0	Naphtha (petroleum), hydrotreated light	20.0 -30.0 %	265-151-9 649-328-00-1	T; R45-65 Asp. Toxic. 1: H304 Mutagen 1B: H340 Carcinogen 1B: H350
68476-86-8	Liquified petroleum gas, sweetened	11.0 -30.0 %	270-705-8 649-203-00-1	F+; T; R12-45-46 Comp. Gas: H280 Flam. Gas 1: H220 Mutagen 1B: H340



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Carcinogen 1B: H350

64742-01-4	Solvent refined residuum	1.0 -10.0 %	265-101-6	T; R45
			649-459-00-4	Carcinogen 1B: H350
NA	Proprietary Mineral Oil Mixture	1.0 -10.0 %	NA	No data available.
			NA	No data available.

Section 4. First Aid Measures

- 4.1 Description of First Aid Measures:** If swallowed, do not induce vomiting. If large amounts are swallowed, immediately call a physician. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of eye contact, flush eyes with running water for 15 minutes while holding eyelids open. In case of skin contact, wash with soap & large amounts of water. Remove contaminated clothing. Call physician immediately if adverse reaction occurs.

Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Alcohol foam. Carbon dioxide. Dry chemical. Water fog.
- 5.2 Flammable Properties and Hazards:** Vapors can travel to a source of ignition and flash back. Extremely flammable. Material will readily ignite at room temperatures in the presence of an ignition source. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause injury or death. Contents under pressure. Containers may explode if exposed to high temperatures.
- Flammability Classification:** NFPA Level 3 Aerosol
- Flash Pt:** -156.00 F (-104.4 C)
- Explosive Limits:** LEL: 1.0 UEL: 9.5
- Autoignition Pt:** No data.
- 5.3 Fire Fighting Instructions:** Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Keep containers and surroundings cool with water spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Section 6. Accidental Release Measures

- 6.3 Methods and Material For Containment and Cleaning Up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways.

Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Wash thoroughly after handling. Keep out of the reach of children.
- 7.2 Precautions To Be Taken in Storing:** Keep away from heat, sparks and flame. Keep from freezing. Do not store above 120 degrees F. Do not spray into open flame or near other sources of ignition. Do not store in direct sunlight, puncture, crush or incinerate container.



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.
64742-49-0	Naphtha (petroleum), hydrotreated light	No data.	No data.	No data.
68476-86-8	Liquified petroleum gas, sweetened	No data.	No data.	No data.
64742-01-4	Solvent refined residuum	No data.	No data.	No data.
NA	Proprietary Mineral Oil Mixture	No data.	No data.	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.
64742-49-0	Naphtha (petroleum), hydrotreated light	No data.	No data.	No data.
68476-86-8	Liquified petroleum gas, sweetened	No data.	No data.	No data.
64742-01-4	Solvent refined residuum	No data.	No data.	No data.
NA	Proprietary Mineral Oil Mixture	No data.	No data.	No data.

8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

8.2.2 Personal protection equipment:

Eye Protection: Wear safety glasses with side shields or goggles when using this product.

Protective Gloves: Impervious gloves.

Other Protective Clothing: Standard industrial clothing standards should be followed.

Respiratory Equipment (Specify Type): A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Work/Hygienic/Maintenance Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin and clothing.



Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States: ☐ Gas ☒ Liquid ☐ Solid
Appearance and Odor: Dark grey with solvent odor.
Melting Point: No data.
Boiling Point: -23.00 F (-30.6 C) - 158.00 F (70.0 C)
Flash Pt: -156.00 F (-104.4 C)
Evaporation Rate: No data.
Explosive Limits: LEL: 1.0 UEL: 9.5
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): > air
Specific Gravity (Water = 1): .7646
Solubility in Water: Negligible
Autoignition Pt: No data.

9.2 Other Information

Percent Volatile: 45.4 % by weight.
VOC / Volume: 2.7800 LB/GA

Section 10. Stability and Reactivity

- 10.1 Reactivity:** No data available.
- 10.2 Stability:** Unstable ☐ Stable ☒
- 10.3 Conditions To Avoid - Hazardous Reactions:** No data available.
- Possibility of Hazardous Reactions:** Will occur ☐ Will not occur ☒
- 10.4 Conditions To Avoid - Instability:** Open flames and high temperatures. Contact with strong oxidizing agents. All sources of ignition, welding and arcs. Keep product away from temperatures in excess of 120 degrees F. Do not crush, puncture or incinerate container. Do not expose to direct sunlight or store where temperatures could exceed 120 degrees F.
- 10.5 Incompatibility - Materials To Avoid:** Strong oxidizers.
- 10.6 Hazardous Decomposition Or Byproducts:** Smoke, fumes, oxides of carbon, nitrogen, silica and various metal oxides are possible decomposition products.



Section 11. Toxicological Information

11.1 Information on Toxicological Effects:

No data available.

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



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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.
64742-49-0	Naphtha (petroleum), hydrotreated light	n.a.	n.a.	n.a.	n.a.
68476-86-8	Liquified petroleum gas, sweetened	n.a.	n.a.	n.a.	n.a.
64742-01-4	Solvent refined residuum	n.a.	n.a.	n.a.	n.a.
NA	Proprietary Mineral Oil Mixture	n.a.	n.a.	n.a.	n.a.

Section 12. Ecological Information

Section 13. Disposal Considerations

- 13.1 Waste Disposal** Disposal should be made in accordance with federal, state and local regulations.
Method:

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Consumer Commodity
DOT Hazard Class: ORM-D ORM-D
UN/NA Number:

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Aerosols, Ltd. Qty.
UN Number: 1950
Hazard Class: N.A. **ADR Classification:** 2.1

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Aerosols, Ltd. Qty.
UN Number: 1950 **Packing Group:**
Hazard Class: N.A. **IMDG Classification:** 2.1
Marine Pollutant: No

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Aerosols, Flammable, Ltd. Qty, 2.1
UN Number: 1950 **IATA Classification:** 2.1
Hazard Class: N.A.



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
64742-49-0	Naphtha (petroleum), hydrotreated light	No	No	No
68476-86-8	Liquified petroleum gas, sweetened	No	No	No
64742-01-4	Solvent refined residuum	No	No	No
NA	Proprietary Mineral Oil Mixture	No	No	No

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
64742-49-0	Naphtha (petroleum), hydrotreated light	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
68476-86-8	Liquified petroleum gas, sweetened	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
64742-01-4	Solvent refined residuum	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
NA	Proprietary Mineral Oil Mixture	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; 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

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
64742-49-0	Naphtha (petroleum), hydrotreated light	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
68476-86-8	Liquified petroleum gas, sweetened	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
64742-01-4	Solvent refined residuum	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
NA	Proprietary Mineral Oil Mixture	Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: No



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European Community Hazard Symbol codes:

European Community Risk and Safety Phrases:

No data available.

Section 16. Other Information

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Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

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