

1. Product and Company Identification

Product Code: C661
Product Name: Chain & Cable Lube
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

Intended Use: Chain & Cable Lube

2. Hazards Identification**Germ Cell Mutagenicity, Category 1B****Carcinogenicity, Category 1B****Aspiration Toxicity, Category 1****Flammable Aerosols, Category 1****Serious Eye Damage/Eye Irritation, Category 2A****Specific Target Organ Toxicity (single exposure), Category 3****GHS Signal Word:** **Danger**

GHS Hazard Phrases: H222: Extremely flammable aerosol.
H304: May be fatal if swallowed and enters airways.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H340: May cause genetic defects.
H350: May cause cancer.
H229: Pressurized container: May burst 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.
P211: Do not spray on an open flame or any other ignition source.
P251: Pressurized container: Do not pierce or burn, even after use.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P370+378: In case of fire, use alcohol foam, carbon dioxide, dry chemical or water fog to extinguish.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331: 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.
P332+313: If skin irritation occurs, get medical advice/attention.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove



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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.

GHS Storage and Disposal Phrases:

P405: Store locked up.
P410+412: Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.
P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	55.0 -60.0 %
68476-86-8	Liquified petroleum gas, sweetened	15.0 -20.0 %
64742-48-9	Hydrotreated heavy naphtha	5.0 -10.0 %
79-20-9	Methyl acetate (Methyl ester of acetic acid)	5.0 -10.0 %
64742-49-0	Naphtha (petroleum), hydrotreated light	1.0 -5.0 %
67-64-1	Acetone	1.0 -5.0 %
64741-88-4	Mineral oil	1.0 -5.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

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. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of skin contact, wash with soap & large amounts of water. Remove contaminated clothing. Call physician immediately if adverse reaction occurs.

5. Fire Fighting Measures

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.

Suitable Extinguishing Media: Alcohol foam. Carbon dioxide. Dry chemical. Water fog.

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.

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.

Hazardous Combustion Products: No data available.



6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: 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.

7. Handling and Storage

Precautions To Be Taken in Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or any other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Keep out of the reach of children.

Precautions To Be Taken in Storing: Store locked up. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

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	No data.	No data.	No data.
68476-86-8	Liquified petroleum gas, sweetened	No data.	No data.	No data.
64742-48-9	Hydrotreated heavy naphtha	No data.	No data.	No data.
79-20-9	Methyl acetate (Methyl ester of acetic acid)	PEL: 200 ppm	TLV: 200 ppm STEL: 250 ppm	No data.
64742-49-0	Naphtha (petroleum), hydrotreated light	No data.	No data.	No data.
67-64-1	Acetone	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
64741-88-4	Mineral oil	No data.	No data.	No data.

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.

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.

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.

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.



9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Dark grey with solvent odor.
pH:	No data.
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.
Flammability (solid, gas):	No data available.
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
Octanol/Water Partition Coefficient:	No data.
Percent Volatile:	24.8 % by weight.
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	No data.

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
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.
Incompatibility - Materials To Avoid:	Strong oxidizers.
Hazardous Decomposition or Byproducts:	Smoke, fumes, oxides of carbon, nitrogen, silica and various metal oxides are possible decomposition products.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.



11. Toxicological Information

Toxicological Information: 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

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



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Supersedes Revision: 03/02/2017

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.
68476-86-8	Liquified petroleum gas, sweetened	n.a.	n.a.	n.a.	n.a.
64742-48-9	Hydrotreated heavy naphtha	n.a.	n.a.	n.a.	n.a.
79-20-9	Methyl acetate (Methyl ester of acetic acid)	n.a.	n.a.	n.a.	n.a.
64742-49-0	Naphtha (petroleum), hydrotreated light	n.a.	n.a.	n.a.	n.a.
67-64-1	Acetone	n.a.	n.a.	A4	n.a.
64741-88-4	Mineral oil	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

No data available.

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: Aerosols, 2.1, Ltd. Qty.
DOT Hazard Class: 2.2 NONFLAMMABLE GAS
UN/NA Number: UN1950

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Aerosols, 2.1, Ltd. Qty.
UN Number: 1950
Hazard Class: 2.2 - NONFLAMMABLE GAS **ADR Classification:** 2.1

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Aerosols, 2.1, Ltd. Qty.
UN Number: 1950 **Packing Group:**
Hazard Class: 2.2 - NONFLAMMABLE GAS **IMDG Classification:** 2.1
IMDG MFAG Number:
IMDG EMS Page: **Marine Pollutant:** No

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Aerosols, Flammable, 2.1, Ltd. Qty.
UN Number: 1950
Hazard Class: 2.2 - NONFLAMMABLE GAS **IATA Classification:** 2.1



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
68476-86-8	Liquified petroleum gas, sweetened	No	No	No
64742-48-9	Hydrotreated heavy naphtha	No	No	No
79-20-9	Methyl acetate (Methyl ester of acetic acid)	No	No	No
64742-49-0	Naphtha (petroleum), hydrotreated light	No	No	No
67-64-1	Acetone	No	Yes 5000 LB	No
64741-88-4	Mineral oil	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: 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
68476-86-8	Liquified petroleum gas, sweetened	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
64742-48-9	Hydrotreated heavy naphtha	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
79-20-9	Methyl acetate (Methyl ester of acetic acid)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A PAIR; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes
64742-49-0	Naphtha (petroleum), hydrotreated light	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
67-64-1	Acetone	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: No; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: Yes
64741-88-4	Mineral oil	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

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
68476-86-8	Liquified petroleum gas, sweetened	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
64742-48-9	Hydrotreated heavy naphtha	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
79-20-9	Methyl acetate (Methyl ester of acetic acid)	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes



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Supersedes Revision: 03/02/2017

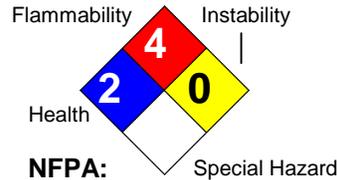
64742-49-0	Naphtha (petroleum), hydrotreated light
67-64-1	Acetone
64741-88-4	Mineral oil

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

16. Other Information

Revision Date: 08/28/2017

Hazard Rating System:



Additional Information About This Product: No data available.

Company Policy or Disclaimer:

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