

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:**  
**Relevant identified uses:** Chain & Cable Lube
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- |                          |   |                                       |
|--------------------------|---|---------------------------------------|
| <b>Company Name:</b>     | CYCLO INDUSTRIES, INC.<br>902 SOUTH US HIGHWAY 1<br>JUPITER, FL 33477 USA | <b>Phone Number:</b><br>(800)843-7813 |
| <b>Web site address:</b> | www.cyclo.com   |                                       |
| <b>Email address:</b>    | ehs@cyclo.com   |                                       |
| <b>Information:</b>      | First Aid Emergency (Outside U.S.)  | (312)906-6194                         |
- 1.4 Emergency telephone number:**
- |                           |                         |               |
|---------------------------|-------------------------|---------------|
| <b>Emergency Contact:</b> | 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:**  
**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**
- 2.2 Label Elements:**

**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.



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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 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.

### 2.3 Adverse Human Health No data available.

#### Effects and Symptoms:

## Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	55.0 -60.0 %	265-155-0 649-465-00-7	Carcinogen 1B: H350
68476-86-8	Liquified petroleum gas, sweetened	15.0 -20.0 %	270-705-8 649-203-00-1	Comp. Gas: H280 Flam. Gas 1: H220 Mutagen 1B: H340 Carcinogen 1B: H350
64742-48-9	Hydrotreated heavy naphtha	5.0 -10.0 %	265-150-3 649-327-00-6	Asp. Toxic. 1: H304 Mutagen 1B: H340 Carcinogen 1B: H350
79-20-9	Methyl acetate (Methyl ester of acetic acid)	5.0 -10.0 %	201-185-2 607-021-00-X	Flam. Liq. 2: H225 Eye Damage 2: H319 STOT (SE) 3: H335 H336 EUH066
64742-49-0	Naphtha (petroleum), hydrotreated light	1.0 -5.0 %	265-151-9 649-328-00-1	Asp. Toxic. 1: H304 Mutagen 1B: H340 Carcinogen 1B: H350
67-64-1	Acetone	1.0 -5.0 %	200-662-2 606-001-00-8	Flam. Liq. 2: H225 Eye Damage 2: H319 STOT (SE) 3: H336 EUH066
64741-88-4	Mineral oil	1.0 -5.0 %	265-090-8 649-454-00-7	Carcinogen 1B: H350



## 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. 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.

## 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

- 6.1 Protective Precautions, Protective Equipment and Emergency Procedures:** No data available.
- 6.2 Environmental Precautions:** No data available.
- 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:** 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.

### 7.2 Precautions To Be Taken in Storing:

Store locked up. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

## Section 8. Exposure Controls/Personal Protection

### 8.1 Exposure Parameters:

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
79-20-9	Methyl acetate (Methyl ester of acetic acid)}	ACGIH TLV	TLV: 200 ppm STEL: 250 ppm	
		France VL	TWA: 610 mg/m3 (200 ppm) STEL: 760 mg/m3 (250 ppm)	
		OSHA PELs	PEL: 200 ppm	
		Britain EH40	TWA: 616 mg/m3 (200 ppm) STEL: 770 mg/m3 (250 ppm)	
67-64-1	Acetone	ACGIH TLV	TLV: 500 ppm STEL: 750 ppm	
		Europe	TWA: 1210 mg/m3 (500 ppm)	
		France VL	TWA: 1210 mg/m3 (500 ppm) STEL: 2420 mg/m3 (1000 ppm)	
		OSHA PELs	PEL: 1000 ppm	
		Britain EH40	TWA: 1210 mg/m3 (500 ppm) STEL: 3620 mg/m3 (1500 ppm)	

### 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.

No data available.



## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

<b>Physical States:</b>	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
<b>Appearance and Odor:</b>	Dark grey with solvent odor.		
<b>pH:</b>	No data.		
<b>Melting Point:</b>	No data.		
<b>Boiling Point:</b>	-23.00 F (-30.6 C) - 158.00 F (70.0 C)		
<b>Flash Pt:</b>	-156.00 F (-104.4 C)		
<b>Evaporation Rate:</b>	No data.		
<b>Flammability (solid, gas):</b>	No data available.		
<b>Explosive Limits:</b>	LEL: 1.0	UEL: 9.5	
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.		
<b>Vapor Density (vs. Air = 1):</b>	> air		
<b>Specific Gravity (Water = 1):</b>	.7646		
<b>Solubility in Water:</b>	Negligible		
<b>Octanol/Water Partition Coefficient:</b>	No data.		
<b>Autoignition Pt:</b>	No data.		
<b>Decomposition Temperature:</b>	No data.		
<b>Viscosity:</b>	No data.		

### 9.2 Other Information

**Percent Volatile:** 24.8 % by weight.

## Section 10. Stability and Reactivity

<b>10.1 Reactivity:</b>	No data available.
<b>10.2 Stability:</b>	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
<b>10.3 Conditions To Avoid - Hazardous Reactions:</b>	No data available.
<b>Possibility of Hazardous Reactions:</b>	Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>
<b>10.4 Conditions To Avoid - Instability:</b>	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.
<b>10.5 Incompatibility - Materials To Avoid:</b>	Strong oxidizers.
<b>10.6 Hazardous Decomposition or Byproducts:</b>	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:

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.
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.

### Section 12. Ecological Information

<b>12.1 Toxicity:</b>	No data available.
<b>12.2 Persistence and Degradability:</b>	No data available.
<b>12.3 Bioaccumulative Potential:</b>	No data available.
<b>12.4 Mobility in Soil:</b>	No data available.
<b>12.5 Results of PBT and vPvB assessment:</b>	No data available.
<b>12.6 Other adverse effects:</b>	No data available.

### Section 13. Disposal Considerations

<b>13.1 Waste Disposal Method:</b>	Dispose of contents/container in accordance with local/regional/national/international regulation.
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### Section 14. Transport Information

#### 14.1 LAND TRANSPORT (European ADR/RID):

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

#### 14.2 MARINE TRANSPORT (IMDG/IMO):

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



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### 14.3 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

## 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
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





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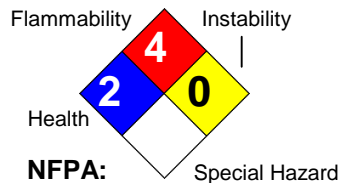
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CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
68476-86-8	Liquified petroleum gas, sweetened	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
64742-49-0	Naphtha (petroleum), hydrotreated light	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
67-64-1	Acetone	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
64741-88-4	Mineral oil	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

### Section 16. Other Information

**Revision Date:** 08/28/2017

**Hazard Rating System:**



**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

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