

1. Product and Company Identification

Product Code: C305
Product Name: Z-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: Lubricant

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

GHS Hazard Phrases: H229: Pressurized container: may burst if heated.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H320: Causes eye irritation.
H336: May cause drowsiness or dizziness.
H350: May cause cancer.

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.
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: P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P301+330+331: IF SWALLOWED: Rinse mouth. 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.
P363: Wash contaminated clothing before reuse.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.



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GHS Storage and Disposal Phrases: P403+233: Store in a well-ventilated place. Keep container tightly closed.
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.

Medical Conditions Generally Aggravated By Exposure: None known when used as directed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
64742-65-0	Mineral oil	30.0 -40.0 %
64742-47-8	Hydrotreated light distillate (petroleum)	30.0 -40.0 %
8052-41-3	Stoddard solvent	20.0 -30.0 %
124-38-9	Carbon dioxide	1.0 -5.0 %

4. First Aid Measures

Emergency and First Aid Procedures: If swallowed, do not induce vomiting. If inhaled, remove victim to fresh air. Apply artificial respiration if needed. In case of eye contact, immediately flush eyes with water for at least 15 minutes. In case of skin contact, remove contaminated clothing and wash skin with soap and water. Call physician immediately if adverse reaction occurs.

Signs and Symptoms Of Exposure: Inhalation: Irritation of respiratory tract, headache, dizziness, fatigue.

Ingestion: Irritation of gastro-intestinal tract, nausea, diarrhea, vomiting.

Eye: Irritation or burning sensation.

Skin: Irritation or reddening.

5. Fire Fighting Measures

Flammability Classification: NFPA Level 3 Aerosol

Flash Pt: 105.00 F (40.6 C) Method Used: TAG Closed Cup

Explosive Limits: LEL: .7 UEL: 10

Autoignition Pt: No data.

Suitable Extinguishing Media: Foam, CO₂, dry chemical, water fog.

Fire Fighting Instructions: Use NIOSH self-contained breathing apparatus in confined areas.

Flammable Properties and Hazards: Water spray may be used to cool containers to prevent pressure build up & explosion when exposed to extreme heat. If water is used, fog nozzles preferred. Closed containers may explode from internal pressure build up when exposed to extreme heat & discharge contents. Vapor accumulation can flash or explode if ignited.

Hazardous Combustion Products: No data available.



6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Eliminate all ignition sources (vapor flammable). Ventilate area. At area where vapors may collect, wear SCBA breathing apparatus. Small spills should be flushed with large amounts of water. Large spills should be absorbed on non-flammable absorbent material for disposal.

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. 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 reach of children.

Precautions To Be Taken in Storing: Store in a well-ventilated place. Keep container tightly closed. 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
64742-65-0	Mineral oil	No data.	No data.	No data.
64742-47-8	Hydrotreated light distillate (petroleum)	No data.	TLV: 200 mg/m3	No data.
8052-41-3	Stoddard solvent	PEL: 500 ppm	TLV: 100 ppm	No data.
124-38-9	Carbon dioxide	PEL: 5000 ppm	TLV: 5000 ppm STEL: 30,000 ppm	No data.

Respiratory Equipment (Specify Type): Avoid breathing vapors. Use with adequate ventilation equal to out of doors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles & vapor. In confined areas use approved air line type respirator or hood. Self contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Eye Protection: Use of safety glasses with splash guards or full face shield is recommended.

Protective Gloves: Solvent resistant gloves required for prolonged or repeated contact.

Other Protective Clothing: No data available.

Engineering Controls (Ventilation etc.): Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit & LEL below stated limit.

Work/Hygienic/Maintenance Practices: Eye washes & safety showers in the workplace are recommended.

9. Physical and Chemical Properties

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

Appearance and Odor: Aerosol product.

pH: No data.

Melting Point: No data.

Boiling Point: 310.00 F (154.4 C) - 500.00 F (260.0 C)

Flash Pt: 105.00 F (40.6 C) Method Used: TAG Closed Cup

Evaporation Rate: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: .7 UEL: 10

Vapor Pressure (vs. Air or mm Hg): No data.

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



Specific Gravity (Water = 1): 0.82
Solubility in Water: NIL
Octanol/Water Partition Coefficient: No data.
Percent Volatile: 25.0 % 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: Application to hot surfaces. Storage above 120F. Exposure to open flame.
Incompatibility - Materials To Avoid: Strong oxidizing agents.
Hazardous Decomposition or Byproducts: May produce fumes when heated to decomposition. Fumes may contain carbon monoxide & other toxic fumes.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64742-65-0	Mineral oil	n.a.	n.a.	n.a.	n.a.
64742-47-8	Hydrotreated light distillate (petroleum)	n.a.	n.a.	A4	n.a.
8052-41-3	Stoddard solvent	n.a.	n.a.	n.a.	n.a.
124-38-9	Carbon dioxide	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: 2.1 FLAMMABLE GAS
UN/NA Number: UN1950

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Aerosols, 2.1, Ltd. Qty.
UN Number: 1950
Hazard Class: 2.1 - FLAMMABLE GAS



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Revision: 09/21/2017
Supersedes Revision: 03/12/2014**MARINE TRANSPORT (IMDG/IMO):**

IMDG/IMO Shipping Name: Aerosols, 2.1, Ltd. Qty.
UN Number: 1950
Hazard Class: 2.1 - FLAMMABLE GAS

Packing Group:
IMDG Classification: 2.1
IMDG MFAG Number:

IMDG EMS Page:**AIR TRANSPORT (ICAO/IATA):**

ICAO/IATA Shipping Name: Aerosols, flammable, Ltd. Qty., 2.1
UN Number: 1950
Hazard Class: 2.1 - FLAMMABLE 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)
64742-65-0	Mineral oil	No	No	No
64742-47-8	Hydrotreated light distillate (petroleum)	No	No	No
8052-41-3	Stoddard solvent	No	No	No
124-38-9	Carbon dioxide	No	No	No

CAS # Hazardous Components (Chemical Name)**Other US EPA or State Lists**

64742-65-0	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
64742-47-8	Hydrotreated light distillate (petroleum)	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
8052-41-3	Stoddard solvent	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - 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: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes
124-38-9	Carbon dioxide	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: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes

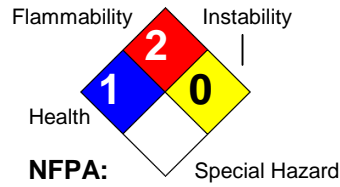
CAS # Hazardous Components (Chemical Name)**International Regulatory Lists**

64742-65-0	Mineral oil	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
64742-47-8	Hydrotreated light distillate (petroleum)	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
8052-41-3	Stoddard solvent	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
124-38-9	Carbon dioxide	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

16. Other Information

Revision Date: 09/21/2017

Hazard Rating System:



Additional Information About NOT FOR SALE IN CA.

This Product:

Company Policy or

Disclaimer:

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