



# CYCLO<sup>®</sup> INDUSTRIES, LLC

## MATERIAL SAFETY DATA SHEET

This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this product. Please read the information on these sheets and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL, STATE and COMMUNITY RIGHT TO KNOW regulations. Also, make this information available to any employee who requests it.

If Cyclo Industries, LLC considers the formula of this product to be a trade secret, the exact chemical names of the ingredient(s) and the percentages in which they are combined will not appear in the body of this sheet. The exact composition is available upon request to physicians, industrial hygienists and other health professionals.

### SECTION I – PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Cyclo<sup>®</sup> Bio-Rid Diesel Fuel Protector Stock No. C-275

**Product Use:** Removes sludge sediment, keeps injectors clean, absorbs and disperses moisture burned off with fuel, improved storage stability, eliminates hard starting and excessive smoking and controls corrosion.

**Manufactured by:** Cyclo Industries, LLC  
10190 Riverside Drive, Palm Beach Gardens, Florida 33410-4881  
Telephone: (561) 775-9600

**First Aid Emergency:** (800) 752-7869 or (312) 906-6194

**Shipping Emergency:** (800) 424-9300 or (703) 527-3887 (CHEMTREC)

### SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
64741-44-2	Distillates (petroleum straight run middle)	70 – 99	None established
111-76-2	Glycol ether EB	0.1 – 10	50 ppm = OSHA PEL TWA 20 ppm = ACGIH TLV TWA
21564-17-0	2-(thiocyanomethylthio) benzothiazole	0.1 – 10	None established

### SECTION 3 – HAZARDS IDENTIFICATION

**Emergency Overview:** This material is an eye and skin irritant. Harmful or fatal if liquid is aspirated into lungs. Danger: Harmful or fatal if swallowed. Harmful if absorbed through the skin. Keep away from heat, sparks and flame.

**Carcinogenicity:** NTP Carcinogen = No; IARC Monographs = No; OSHA Regulated = No

**SECTION 4 – FIRST AID MEASURES****First Aid Procedures:**

- Ingestion:** DO NOT INDUCE VOMITING. Give nothing by mouth. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration. Pulmonary aspiration hazard if swallowed and/or vomiting occurs – can enter lungs and cause damage.
- Skin Contact:** Remove contaminated clothing and shoes, and launder before reuse. Wash with soap and water. If irritation persists or signs of toxicity occur, seek medical attention. If product is injected into or under the skin or into any part of the body, the individual should be evaluated immediately by a physician as a surgical emergency.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.
- Eye Contact:** In case of contact or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Flash Point:** 143°F (62°C)                      **Method Used:** TAG Closed Cup

**Flammable Limits in Air by Volume:** Not determined

**Extinguishing Media:** Carbon dioxide, dry chemical, water, foam.

**Special Fire Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Forms peroxides of unknown stability classified as combustible.

**HMIS Code:**            Health = 3            Flammability = 2            Physical Hazard = 0

**NFPA Rating:**        Health = 3            Flammability = 2            Reactivity = 0

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact. Do not ingest.

**Spill/Leak Procedures:** Contain any liquid from leading containers. Keep away from heat, sparks and flames. Wear proper protective equipment as specified in the protective equipment section. Remove sources of ignitions. Increase area ventilation. Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials

**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

**SECTION 7 – HANDLING AND STORAGE**

**Handling & Storage Procedures:** Keep container closed when not in use. Avoid contact with skin and eyes. Use only in a well-ventilated area. Keep away from food and smoking materials. Wash hands before eating and smoking. Keep away from heat and open flame. DO NOT SWALLOW. See product label for additional information. KEEP OUT OF THE REACH OF CHILDREN.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Respiratory Protection:** Use in a well-ventilated area. Use approved NIOSH respiratory protection if TLV exceeded or over exposure is likely.

**Ventilation:** Use local exhaust.

**Protective Gloves:** Use chemical resistant gloves for prolonged skin contact. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.

**Eye Protection:** Safety glasses with splash guards or full face shield is recommended.

**Work/Hygienic Practices:** Eye washes and safety showers in the workplace are recommended.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling Point:** >300°F (>149°C)

**Specific Gravity (H<sub>2</sub>O=1):** Not determined

**Vapor Pressure:** Not determined

**Vapor Density (Air=1):** Not determined

**Solubility in Water:** <15%

**pH:** Not determined

**Appearance and Odor:** Colorless to light yellow liquid with mild petroleum odor.

**Volatile Organic Compound (VOC) (as packaged minus water):** Not determined

**SECTION 10 – STABILITY AND REACTIVITY**

**Stability:** Stable - Can form peroxides of unknown stability.

**Conditions to Avoid:** Keep away from heat, sparks and flame.

**Incompatibility (materials to avoid):** Strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** Carbon dioxide, carbon monoxide, asphyxiants, fumes and smoke, aldehydes, forms of peroxides of unknown stability.

**Hazardous Polymerization:** Will not occur.

**SECTION 11 – TOXICOLOGICAL INFORMATION****Toxicological Data:**

Ingredient / CAS #	Weight %	Route	Species	Dose
Distillates (petroleum straight run middle) / 64741-44-2	70 – 99	Inhalation	Rats	1700 mg/m <sup>3</sup> /4H
Glycol ether EB / 111-76-2	0.1 – 10	Inhalation	Rats	LC50 450 ppm/4H

**SECTION 12 – ECOLOGICAL INFORMATION**

**Aquatic/Terrestrial Toxicity Environmental Fate** No data is available at this time.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

**SECTION 14 – TRANSPORT INFORMATION****U.S. DOT**

**Shipping Description:** Not regulated  
**ID Number:** Not regulated  
**Hazard Class:** Not applicable  
**Packing Group:** Not applicable  
**Label:** Not applicable  
**Placards:** Not applicable

**IMDG**

**Shipping Description:** Not regulated  
**ID Number:** Not regulated  
**Hazard Class:** Not applicable  
**Packing Group:** Not applicable  
**Label:** Not applicable  
**Markings:** Not applicable  
**Placards:** Not applicable

**SECTION 15 – REGULATORY INFORMATION**

**TSCA Inventory:** All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory of chemical substances maintained by the U.S. Environmental Protection Agency.

**SARA Extremely Hazardous Substances** None

**SARA Section 313** This product contains the following toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 – Toxic Chemical Release Reporting)

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
None		

**CERCLA/Superfund (RQ):** This product is not subject to CERC LA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**California Proposition 65:** This product does not contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

**SECTION 16 – OTHER INFORMATION**

**Document Date:** 5/7/04

**Supersedes:** New

**Revisions:** Not applicable.

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