



CYCLO[®] 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 1 – PRODUCT & COMPANY IDENTIFICATION

Product Name: Cyclo[®] Power Steering Fluid, Stock Nos. C-27, C-28 & C-29

Product Use: Designed to provide maximum performance in automotive power steering systems. Lubricates and conditions seals, helps prevent abnormal wear and slippage, protects against fluid and pump breakdown caused by water, oxidation and foaming.

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
64742-52-5	Heavy hydrotreated naphthenic distillates (petroleum)	80 – 99	Mist 5 mg/m ³ - OSHA PEL Ceiling Limits Mist 5 mg/m ³ 8 hr – ACGIH TLV TWA
64742-54-7	Mineral oil, petroleum distillates, hydrotreated (severe) heavy paraffinic	20 – 39	None established
112-34-5	Glycol ether DB	0.1 – 5	None established
88917-22-0	Dipropylene glycol methyl ether acetate	0.1 – 5	None established

SECTION 3 – HAZARDS IDENTIFICATION

Effects of Overexposure:

Skin Contact: May irritate the skin

Eye Contact: Eye irritant.

Carcinogenicity: NTP Carcinogen = No; IARC Monographs = No; OSHA Regulated = No**SECTION 4 – FIRST AID MEASURES****First Aid Procedures:**

Ingestion: DO NOT induce vomiting. This material is practically non-toxic if ingested in small amounts (tablespoonful). Swallowing large amounts may cause injury. Seek medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and shoes, and launder before reuse. 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: 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: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Seek medical attention if irritation persists.

SECTION 5 – FIRE FIGHTING MEASURES**Flash Point:** >200°F (93°C)**Method Used:** TAG Closed Cup**Flammable Limits in Air by Volume:** Not determined**Extinguishing Media:** Foam, dry chemical, water

Special Fire Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

HMIS Code: Health = 2 Flammability = 2 Reactivity = 1**NFPA Rating:** Health = 1 Flammability = 2 Reactivity = 1**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Spill/Leak Procedures: Contain any liquid from leaking containers. Wear proper protective equipment as specified in the protective equipment section. Remove sources of ignition. 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. 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 heat and open flame. Keep away from food and smoking materials. Wash hands before eating and smoking. 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.

Ventilation: Use local exhaust.

Protective Gloves: 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: >400°F (204°C) **Specific Gravity (H₂O=1):** 0.9 approx.

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

Solubility in Water: <4% **pH:** Not determined

Evaporation Rate (Butyl Acetate = 1): 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 **Conditions to Avoid:** Keep away from heat, sparks and flame

Incompatibility (materials to avoid): Strong oxidizing agents. Strong acids. Concentrated oxygen. Sodium Hydrochlorite and Calcium Hydrochlorite as this presents a serious explosion hazard.

Hazardous Decomposition or Byproducts: Carbon monoxide and other asphxiants

Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological Data:

Ingredients/CAS No.	Weight %	Route	Species	Dose
Mineral Oil, petroleum distillates, hydrotreated (severe) heavy paraffinic (64742-54-7)	20 – 39	Oral	Rats	LD50 > 15 gm/kg
Glycol Ether DB (112-34-5)	0.1 – 5	Oral	Rats	LD50 5660 mg/kg

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.

SECTION 15 – REGULATORY INFORMATION continued
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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: January 29, 2004

Supersedes: April 20, 2000

Revisions: Sections: 2, 5, 9, 10, 11, 12, 13, 14, 15

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