



# CYCLO<sup>®</sup> INDUSTRIES, INC.

## 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, Inc. 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<sup>®</sup> White Grease, Stock No. C-34

**Product Use:** Liquefied formula lubricating grease. Remains soft and pliable without drying out. Excellent for applications with close tolerances where metal to metal and metal to plastic lubrication and lasting protection are desired. Works well in both high and low temperatures and in all types of weather.

**Manufactured by:** Cyclo Industries, Inc., 401 Maplewood Drive, Suite 18, Jupiter, FL 33458  
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
142-82-5	Heptane	30 – 60	400 ppm TLV
68476-86-8	Propane – isobutate blend	20 – 30	1000 ppm TLV
64742-52-5	Mineral Oil	25 – 35	Not available
1314-13-2	Zinc Oxide	1 – 5	Not available
68309-87-5	Calcium Thickener	1 – 10	Not available

### SECTION 3 – HAZARDS IDENTIFICATION

#### Effects of Overexposure:

**Ingestion:** ASPIRATION HAZARD! Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death in some cases.

**Inhalation:** High vapor/aerosol concentrations (greater than approximately 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects, including death in some individuals.

### SECTION 3 – HAZARDS IDENTIFICATION continued

**Effects of Overexposure continued:**

- Skin Contact: Frequent or prolonged contact may cause irritation and dermatitis. Can cause severe freeze burns similar to frost bite if sprayed directly onto skin.
- Eye Contact: Can cause severe irritation, redness, tearing, blurred vision and possible freeze burns.

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

**SECTION 4 – FIRST AID MEASURES**

**First Aid Procedures:**

- Ingestion: DO NOT induce vomiting. Contact a physician immediately.
- Skin Contact: Wash with soap and water. Remove grossly contaminated clothing, including shoes and launder before reuse.
- Inhalation: Remove to fresh air. Administer oxygen if needed. Call for prompt medical attention.
- Eye Contact: Flush with plenty of water for at least 15 minutes. Contact a physician if irritation persists.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Flash Point:** <-4°F (<-20°C) **Method Used:** TCC

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

**Extinguishing Media:** Dry chemical, foam, carbon dioxide

**Special Fire Fighting Procedures:** The use of self-contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing media, but helpful in keep adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.

**Unusual Fire and Explosion Hazards:** Prolonged exposure to temperatures above 130°F may cause cans to burst.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Spill/Leak Procedures:** Pick up excess with absorbent material and discard in accordance with regulations.

**SECTION 7 – HANDLING AND STORAGE**

**Handling & Storage Procedures:** Contents under pressure. Do not store below 32°F or above 130°F. Do not puncture or incinerate containers. Do not use or store near heat, sparks or open flame. Use with ventilation. See product label for additional information. KEEP OUT OF THE REACH OF CHILDREN.

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

**Respiratory Protection:** Not normally required.

**Ventilation:** Local Exhaust: Recommended  
Special: None  
Mechanical (General): Acceptable

**Protective Gloves:** Rubber gloves

**Eye Protection:** Safety glasses

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

#### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 550°F (288°C)

**Specific Gravity (H<sub>2</sub>O=1):** 0.81

**Vapor Pressure:** Not available

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

**Percent Volatile By Weight (%):** 26.7

**Percent Solids By Weight (%):** ~38

**Solubility in Water:** Insoluble

**pH:** Not available

**Evaporation Rate (Butyl Acetate = 1):** Not determined

**Appearance and Odor:** Aerosol product - Almond white with slight amine odor.

**Volatile Organic Compound (VOC) (as packaged minus water):** 26.7%

#### SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Temperatures above 130°F

**Incompatibility (materials to avoid):** None

**Hazardous Decomposition or Byproducts:** None

**Hazardous Polymerization:** Will not occur

#### SECTION 11 – TOXICOLOGICAL INFORMATION

**Toxicological Data:** Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

<b>SECTION 12 – ECOLOGICAL INFORMATION</b>
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**Aquatic/Terrestrial Toxicity Environmental Fate** No data is available at this time.

<b>SECTION 13 – DISPOSAL CONSIDERATIONS</b>
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**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.

<b>SECTION 14 – TRANSPORT INFORMATION</b>
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<b>U.S. DOT</b>	<b>Shipping Description:</b> Consumer Commodity <b>ID Number:</b> Not regulated <b>Hazard Class:</b> ORM-D <b>Packing Group:</b> Not applicable <b>Label:</b> Not applicable <b>Placards:</b> Not applicable
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<b>IMDG</b>	<b>Shipping Description:</b> Aerosol, Limited Quantity <b>ID Number:</b> UN1950 <b>Hazard Class:</b> 2.1 <b>Packing Group:</b> Not applicable <b>Label:</b> Not applicable <b>Markings:</b> Not applicable <b>Placards:</b> Not applicable
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<b>SECTION 15 – REGULATORY INFORMATION</b>
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**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 (Section 302 of Title III – 29 CFR Part 1910.1200(c)):** None

**SARA Toxic Release Chemicals (Section 313 of Title III – 40 CFR Part 372):** This product does not contain any toxic chemicals subject to the reporting requirements.

**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 contains a chemical known to the State of California to cause cancer, birth defects and/or other reproductive harm.

Chemical NameCAS #Wt. %

Tetrafluoroethylene

116-14-3

85 - 100

**SECTION 16 – OTHER INFORMATION****Document Date:** 1/10/2008**Supersedes:** 12/29/2005**Revisions:** 12/29/05: Section I: Address.

1/10/08: Section 14: updated hazard classification

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