



# 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.

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### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** Cyclo<sup>®</sup> Break•Away<sup>®</sup> Fast Penetrating Oil, Stock Nos. C-10 & C-12

**Product Use:** Penetrates and frees rusted or frozen parts, lubricates moving parts and inhibits rust and corrosion.

**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)

**HMIS Code:** Health = 1 Flammability = 4 Reactivity = 0

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### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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CAS Reg. No.	Material	Percentage	Exposure Limits
108-94-1	Cyclohexanone	<10	50 ppm = OSHA PEL
68608-26-4	Sodium sulfonate	<5	Not determined
8012-95-1	Paraffin oil	<90	5 mg/m <sup>3</sup> (oil mist, mineral) = OSHA PEL
74-98-6	Propane / isobutane	<20	1000 ppm = OSHA PEL

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### SECTION 3 - HAZARDS IDENTIFICATION

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**Effects of Overexposure:**

Ingestion: Nausea, sickness. Could be harmful or fatal.

Inhalation: May cause breathing difficulties

Skin Contact: Prolonged contact may cause irritation

Eye Contact: May be irritating

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

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## SECTION 4 - FIRST AID MEASURES

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### First Aid Procedures:

Ingestion: DO NOT induce vomiting. Contact physician immediately.  
Skin Contact: Wash with soap and water.  
Inhalation: Remove to fresh air. Administer oxygen if necessary  
Eye Contact: Flush with excess water for 15 minutes. Consult physician if irritation persists.

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## SECTION 5 - FIRE FIGHTING MEASURES

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**Flash Point:** <-20°F (<-29°C) **Method Used:** TCC

**Flammable Limits in Air by Volume:** Lower Explosion Limit (LEL) = 1.1 Upper Explosion Limit (UEL) = 9.4

**Extinguishing Media:** Foam, carbon dioxide, dry chemical

**Special Fire Fighting Procedures:** Self contained breathing apparatus recommended. CAUTION: Direct water jet will spread burning material.

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

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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**Spill/Leak Procedures:** Blot with absorbent material. Dispose of properly. Flush with IPA, rinse with soap and water.

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## SECTION 7 - HANDLING AND STORAGE

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

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Respiratory Protection:** Above TLV B use NIOSH/MESA approved respirator for organic vapors.

**Ventilation:** Local exhaust is recommended.

**Protective Clothing:** Wear impervious protective gloves and protective clothing to prevent contact with skin and clothing.

**Eye Protection:** Safety glasses are recommended.

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

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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**Boiling Point:** 266°F (130°C)

**Specific Gravity (H<sub>2</sub>O=1):** 0.896

**Vapor Pressure:** Not determined

**Vapor Density (Air=1):** >air

**Percent Volatile By Volume (%):** 96%

**Percent Solids By Weight (%):** 4%

**Solubility in Water:** Slightly

**pH:** Not applicable

**Evaporation Rate (Butyl Acetate = 1):** >1

**Appearance and Odor:** Amber brown liquid, light viscosity, pungent odor.

**Volatile Organic Compound (VOC) (as packaged minus water):** 25% by weight

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## SECTION 10 - STABILITY AND REACTIVITY

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**Stability:** Stable

**Conditions to Avoid:** None

**Incompatibility (materials to avoid):** Strong oxidizers, acids and bases.

**Hazardous Decomposition or Byproducts:** Oxides of carbon and sulfur upon incomplete combustion.

**Hazardous Polymerization:** Will not occur.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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**Toxicological Data:**

Chemical Name

LD50 mg/kg

Cyclohexanone

1900.0

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## SECTION 12 - ECOLOGICAL INFORMATION

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

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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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.

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**SECTION 14 - TRANSPORT INFORMATION**

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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
<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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**SECTION 15 - REGULATORY INFORMATION**

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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** None

**SARA Section 313** This product does not contain any toxic chemical(s) 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)

**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.

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**SECTION 16 - OTHER INFORMATION**

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**Document Date:** 10/2/08

**Supersedes:** 1/08/08

**Revisions:** 8/11/06: Section 1 – updated corporate name  
1/08/08: Section 14 – updated hazard information  
10/2/08: Formula review

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