

# CYCLO<sup>®</sup> INDUSTRIES, LLC

## MATERIAL SAFETY DATA SHEET

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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 IDENTIFICATION

Product Name: C-89 Engine Stop Leak

Hazardous Material Description: Petroleum Lubricating Oil, N.O.I.

HMIS Code: HEALTH = 0      FLAMMABILITY = 1      REACTIVITY = 0

### SECTION 2 — PHYSICAL DATA

Boiling Point: 665°F      (352°C)      Specific Gravity (H<sub>2</sub>O=1): 0.872

Vapor Pressure: Not applicable      Vapor Density (AIR=1): >1.0

Percent Volatile By Volume (%): Negligible      pH: Not applicable

Solubility in Water: Negligible      Evaporation Rate (Butyl Acetate = 1):

Appearance and Odor: Amber, oil type liquid

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

**SECTION 3 — HAZARDOUS INGREDIENTS**

<u>CAS Reg. No.</u>	<u>Material</u>	<u>Percentage</u>	<u>Limit Values</u>
64742-65-0	Refined Petroleum Oil	80 - 95	Not applicable
Mixture	Additive Package	1 - 15	Not applicable

**SECTION 4 — FIRE AND EXPLOSION HAZARD DATA**

Flash Point: 392°F (200°C)

Method Used: T.C.C.

Flammable Limits: Not applicable

Lower Explosive Limit (LEL): Not applicable

Upper Explosive Limit (UEL): Not applicable

Extinguishing Media:

Use carbon dioxide, dry chemical, foam and/or water fog as extinguishing media.

Special Fire Fighting Procedures: None.

Unusual Fire and Explosion Hazards: Water may cause frothing.

**SECTION 5 — HEALTH HAZARD DATA**

Effects of Overexposure:

Ingestion: Toxicity is relatively low. There is a risk of aspiration of product into the lungs. On ingestion of large quantities, slight GI discomfort, diarrhea and headache may occur. Small doses may produce irritation and diarrhea.

Inhalation: Low risk of inhalation. Mists above TLV may cause chemical pneumonitis.

Skin Contact: Mild irritant

Eye Contact: Mild irritant

First Aid Procedures:

Ingestion: Do not induce vomiting. Get immediate medical assistance.

Skin Contact: Promptly remove any contaminated clothing and wash the skin with soap and water for at least 15 minutes.

Inhalation: Move the exposed person to fresh air at once and call emergency medical care. If breathing has stopped, give artificial respiration. If breathing is difficult, give humidified oxygen.

Eye Contact: Immediately wash the eyes with large quantities of room temperature water for at least 15 minutes, occasionally lifting the lower and upper lids. Get medical attention immediately.

**SECTION 6 — REACTIVITY DATA**

Stability: Yes

Conditions to Avoid:

Store below 150°F. Do not apply high heat or flame to container. Keep separate from strong oxidizing agents.

Incompatibility (materials to avoid): Strong oxidants.

Hazardous Decomposition or Byproducts:

Carbon dioxide (carbon monoxide under incomplete combustion).

Hazardous Polymerization: Will not occur

**SECTION 7 — SPECIAL PROTECTION INFORMATION**

Respiratory Protection:

Normally none required. If high vapor or mist concentrations are expected, use appropriate NIOSH approved respirator for organic vapors and mists.

Ventilation:

Provide local ventilation to maintain exposure levels below recommended exposure limits.

Mechanical (General):

In confined spaces, mechanical ventilation may be required.

Special Ventilation: OSHA TWA 5mg/m<sup>3</sup> Oil Mist

Protective Gloves: Use oil impervious gloves as required.

Eye Protection: Use safety goggles or chemical splash goggles as required.

Other Protective Clothing or Equipment:

If there is a possibility of exposure of an individual's body to the lubricating oil, wear body-covering work clothes to avoid prolonged or repeated exposure.

Work/Hygienic Practices: Use normal hygiene practices.

**SECTION 8 — SPILL OR LEAK PROCEDURES**

Steps To Be Taken In Case Material Is Released or Spilled:

SMALL SPILL: Remove sources of heat or ignition, provide adequate ventilation, contain leak absorbent, inert, non-combustible material.

LARGE SPILL: Contain spill, transfer to secure containers. In the event of an uncontrolled material release, the user should determine if release is reportable under applicable laws and regulations.

Waste Disposal Method:

Dispose of product in accordance with local, state and federal regulations. Before attempting clean up, refer to other sections of MSDS for hazard warning information.

CERCLA:

Section 311(b) (4) requires discharges of crude oil and petroleum products in any kind or form to waters must immediately be reported to the National Response Center at (800) 424-8802.

SARA TITLE III:

Section 302: None

Section 304: None

Section 311: Hazard categories - Fire Hazard=Yes

Section 313: None

**SECTION 9 — SPECIAL PRECAUTIONS**

Precautions To Be Taken In Handling and Storage:

Product is a combustible liquid. Keep away from heat and flames. Store below 150EF. Do not apply high heat or flame to container. Keep separate from strong oxidizing agents. Empty containers may contain product residue which could include flammable or explosive vapors. See other sections of MSDS.

Other precautions:

Product is combustible, handle accordingly.

Date entered: 12/7/95

Date revised: 7/26/99

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