

MATERIAL SAFETY DATA SHEET

MSDS No: 17013

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME (S) **LIFE AUTOMOTIVE OIL SYSTEM CLEANER**
PRODUCT No: **17013**
MANUFACTURER **LIFE AUTOMOTIVE PRODUCTS, INC.**
1210 MIDAS COVE STE 101
CORDOVA, TN 38018
EMERGENCY CONTACT: CHEMTREC
EMERGENCY PHONE NUMBER: 800-424-9300

PREPARATION DATE January 11, 2005
Prepared By Mike Profetto
Brief Description Engine oil system flush

2. HAZARDOUS INGREDIENTS & EXPOSURE LIMITS

CHEMICAL NAME	CAS#	%	LIMIT VALUES
Additive Package (CAS #: Mixture)		20.00	N/A
Refined Petroleum Oil (CAS # 64742-65-0)		80.00	N/A

HAZARDOUS IDENTIFICATION

HMIS RATINGS: Health: 0, Flammability: 1, Reactivity: 0, Pers. Prot. Index B
NFPA RATINGS: Health: 0, Fire: 1, Reactivity: 0. Specific Hazard: None

3. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point 665 F (352 C.)
Vapor Pressure (mm Hg.) N/A
Vapor Density (AIR = 1) >1.0
Solubility in Water Negligible
% Volatile/Volume Negligible
Appearance and Odor Brown, oil type liquid
pH N/A
Specific Gravity (H20 =1) 0.875

Miscellaneous Information

Product is a combustible liquid. Keep away from heat and flames. Store below 150 F, 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.

4. FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200 F (>93.3 C) TCC

Flammable Limits: N/A

Lower Explosive Limit (LEL): N/A

Upper Explosive Limit (UEL): N/A

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

5. REACTIVITY DATA

Stable Yes

Hazardous Polymerization May Occur No

Conditions to Avoid

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

Incompatibility (Material to Avoid)

Strong oxidants

Hazardous Decomposition or Byproducts

Carbon dioxide (Carbon monoxide under incomplete combustion)

6. HEALTH HAZARD DATA

Effects on Eyes

Eye irritant

Effects on Skin

Irritant.

Effects Due to 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.

Effects Due to Inhalation

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

First Aid Procedures for Eyes

If the product contacts the eyes, 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.

First Aid Procedures for Skin

If the product contacts the skin, promptly wash the contaminated skin with soap and water for at least 15 minutes. If this product penetrates the clothing promptly remove the clothing and wash the skin with soap and water.

First Aid Procedures for Ingestion

Do not induce vomiting. Get immediate medical assistance.

First Aid Procedures for 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.

7. PRECAUTIONS FOR SAFE AND HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled

SMALL SPILL: Remove sources of heat or ignition, provide adequate ventilation, contain leak using 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.

Precautions to Be Taken in Handling and Storing

See other sections of MSDS

Other Precautions

Product is combustible, handle accordingly.

8. CONTROL MEASURES

Local Exhaust

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

Mechanical (General)

In confined spaces, mechanical ventilation may be required.

Special Ventilation

OSHA TWA 5mg/m³ Oil Mist

Other Ventilation

N/A

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 clothes to avoid prolonged or repeated exposure.

Work/Hygienic Practices

Use normal hygiene practices.

Respiratory Protection (Specify Type)

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

9. ADDITIONAL INFORMATION

Additional Information

SHIPPING INFORMATION (CFR 49 AND IMDG):

PROPER SHIPPING NAME Lubricating Oil, N.O.I.

DOT HAZARD CLASS	None required
DOT UN NUMBER	None required
IMDG SHIPPING NAME	Petroleum Lubricating Oil, N.O.I.
Flashpoint >160 F	

SARA TITLE III:

Section 302: None

Section 304: None

Section 311: Hazard categories-Fire Hazard=Yes

Section 313: None

CERCLA:

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

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