

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

2. Product Identification

Product Name: **ProGuard Engine System Cleaner**

Synonyms: System Cleaner

Chemical Name: Blend

Company Identification

Lyden Oil Company
3711 LeHarp's Road
Youngstown, Ohio 44515 USA
1-330-792-1100 (For product information) 1-800-362-9410
(For emergencies)
1-800-728-2482 or 1-703-527-3887 (CHEMTREC)

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
No Hazardous Components > 1%	100 %	MIXTURE

COMMENTS: This product does not contain greater than 1% of any components (0.1% for carcinogens, teratogens, or mutagens) required to be reported per the SARA Section 313.

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

This product contains no known hazardous materials as defined under SARA 311 and 312,

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****

May cause eye and skin irritation. May be harmful if ingested.

HMIS Rating - Health: 1
 Flammability: 1
 Reactivity: 0

NFPA Rating - Health: 0
 Flammability: 1
 Reactivity: 0
 Special Hazard: N/A

POTENTIAL HEALTH EFFECTS

EYE:

Contact may cause eye irritation and redness.

SKIN:

Prolonged or repeated contact can result in skin irritation..

INHALATION:

High mist/vapor concentrations are irritating to the eyes, nose, throat, and respiratory tract.

INGESTION:

May be harmful if swallowed.

CHRONIC EFFECTS:

No adverse effects have been documented in humans as a result of chronic exposure.

CARCINOGENICITY INFORMATION:

None known.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID: Flush eye with water for at least 15 minutes.

Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID: Wash skin with soap and water.

Thoroughly wash (or discard) clothing and shoes before reuse.

INHALATION FIRST AID: Remove to fresh air.

If not breathing, give artificial respiration and contact a physician.

INGESTION FIRST AID:

Do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: 176.7 C (> 350.1 F)

Auto-ignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: NA

EXTINGUISHING MEDIA:

Carbon dioxide, foam, or dry powder. DO NOT USE WATER because this product is oil based. Water may cause frothing which can re-ignite or spread fire.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Water can be used to cool fire exposed containers. Intense heat from a fire could cause the containers to rupture.

COMBUSTION PRODUCTS:

Hazardous decomposition products are oxides of carbon and nitrogen including CO and CO2..

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.. Evacuate non-emergency personnel to a safe area. Report spills to the proper environmental agencies as required by federal, state and local regulations.

INITIAL CONTAINMENT: Contain spilled material. Vacuum or sweep up material and place in a disposal container. Absorb residue with inert material (e.g. dry sand or earth) then place in a chemical waste container. Do not Flush to sewer.

LARGE SPILLS PROCEDURE: Contain spilled material.

Large spillage should be dammed-off and pumped into containers. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE: Clean up area by absorbent material.

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash hands thoroughly after handling. Keep away from food and drinking water..

HANDLING (PHYSICAL ASPECTS): Secure container after each use. Store in a cool dry, secure area. Keep out of reach of children. Avoid contact with strong oxidizing agents. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner or properly dispose of..

Keep container closed to avoid contamination. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

STORAGE PRECAUTIONS:

Keep container in a cool dry place, in a tightly closed container. Eliminate all sources of ignition – heat, sparks, flame, electricity, impact and friction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. TLV for mineral oil is 5 mg/cubic meter. .

EYE / FACE PROTECTION REQUIREMENTS:

When splashing of the material may occur, chemical goggles and/or a face shield are recommended.

SKIN PROTECTION REQUIREMENTS:

When prolonged or frequently repeated contact could occur, wear chemical resistant gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required. If mists are produced, local ventilation may be required to keep exposure below limits.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	: Liquid
COLOR	: Amber
ODOR	: Petroleum
VAPOR DENSITY	: Heavier than air (Air = 1)
SOLUBILITY IN WATER:	: Nil
SPECIFIC GRAVITY	: 0.828 @ 60 Deg F (Water = 1)
PH	: N / A

10. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with strong oxidizing agents.

DECOMPOSITION:

In the case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced including CO and CO2

CONDITIONS TO AVOID: Sources of ignition.

11. TOXICOLOGICAL INFORMATION

Miscellaneous: Please contact supplier for toxicological information..

12. ECOLOGICAL INFORMATION

Miscellaneous: Please contact supplier for ecological information.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Do not dispose of into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

Do not flush to surface water or sanitary sewer system. This product, if it becomes a waste, is not considered a hazardous waste according to RCRA criteria (40 CFR 261).

14. TRANSPORTATION INFORMATION

PRODUCT LABEL	: ProGuard Engine System Cleaner
D.O.T. SHIPPING NAME	: Not regulated by DOT
TECHNICAL SHIPPING NAME	: N/A
D.O.T. HAZARD CLASS	: N/A
UN NUMBER	: N/A
D.O.T. LABEL	: N/A
D.O.T. PLACARD	: N/A
BULK CLASS	: N/A
PACKAGE CLASS	: N/A

15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01= CANADIAN DISCLOSURE LIST
03= CERCLA HAZARDOUS SUBSTANCES
05= TITLE V
07= SC TOXIC AIR POLLUTANTS LIST

02= SARA Title III - Section 313
04= Clean Air Act - Section 112
06= CA Proposition 65

MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). And are listed on the Canadian Domestic Substances List (DSL)

16. OTHER INFORMATION

APPROVED BY : Mark Falappi
TITLE : Lubrication Engineer
APPROVAL DATE : 10- 01-09
SUPERCEDES DATE ...: New
RTN NUMBER :00311499 (Official Copy)

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