



MATERIAL SAFETY DATA SHEET

ProGuard Hydraulic Oil AW 100 N
December 13, 2006

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: ProGuard Hydraulic Oil AW 100 N
Chemical Name: Severely Hydrotreated Heavy Napthenic Distillate
Chemical Family: Petroleum Distillate
CAS Number: Blend

Company Identification

Lyden Oil Company
3711 LeHarps Road
Youngstown, Ohio 44515

EMERGENCY TELEPHONE NUMBERS:

Lyden Oil Company 330-792-1100 Normal Business Hours
(800) 362-9410 After Business Hours

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
SEVERELY HYDROTREATED HEAVY NAPTHENIC DISTILLATE	>98.0 %	64748-52-5

ADDITIVES < 2.0 % Blend

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains no known hazardous materials.

3. HAZARDS IDENTIFICATION

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

Not expected to cause a severe emergency hazard.

(section 3 continued)

HMIS Rating

Health: 1
Flammability: 1
Reactivity: 0

NFPA Rating

Health: 1
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 defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INHALATION:

Inhalation of vapors or mist may be irritating to the nose, throat, and respiratory tract.

INGESTION:

May cause vomiting.

CARCINOGENICITY INFORMATION:

Based on OSHA 1910.1200 and IARC study requirements, this product does not require labeling.

Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eye with water for 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.

(section 4 continued)

INGESTION FIRST AID:

If vomiting should occur spontaneously, keep airway clear.

NOTES TO PHYSICIAN:

Treat symptomatically.

5. FIRE FIGHTING MEASURES
FLAMMABLE PROPERTIES

COC Flash Point: 202 C (439 F)
Autoignition Temperature: >315 C (> 600 F)

FLAMMABLE LIMITS IN AIR

LEL: N/A
UEL: N/A

EXTINGUISHING MEDIA:

Carbon dioxide, foam, or dry powder. Water may be used to cool below flash point.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

COMBUSTION PRODUCTS:

Fumes, smoke and carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES
SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.

INITIAL CONTAINMENT:

Absorb spills with inert material.

LARGE SPILLS PROCEDURE:

Contain spilled material.

SMALL SPILLS PROCEDURE:

Clean up area by absorbent material.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

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.

NFPA Class IIIB storage.

Wash thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Store in a cool dry area.

STORAGE PRECAUTIONS:

Keep container closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit.

EYE / FACE PROTECTION REQUIREMENTS:

Where contact with this material is likely, eye protection is recommended.

SKIN PROTECTION REQUIREMENTS:

When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

RESPIRATORY PROTECTION REQUIREMENTS:

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

EXPOSURE GUIDELINES: No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Golden
ODOR: Characteristic
BOILING POINT: 500-1100 F
VAPOR PRESSURE: <1 mm Hg
VAPOR DENSITY: >5 (Air = 1)
SOLUBILITY IN WATER: Nil
SPECIFIC GRAVITY: 0.92 (Water = 1)
MELTING/FREEZING POINT: -25 F
% VOLATILES: Nil %

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.

CONDITIONS TO AVOID:

Sources of ignition.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Minimal irritation on contact.

SKIN EFFECTS:

Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeated exposure.

ACUTE ORAL EFFECTS:

Tests on similar materials indicate low order of acute oral toxicity.

ACUTE INHALATION EFFECTS:

Low acute toxicity expected on inhalation.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:

Aquatic Release: Advise authorities if product has entered or may enter water courses or sewer drains.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

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

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: TOPGUARD AW 100 N

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 02 = SARA Title III - Section 313

03 = CERCLA HAZARDOUS SUBSTANCES 04 = Clean Air Act - Section 112

05 = TITLE V 06 = CA Proposition 6507 = SC TOXIC AIR POLLUTANTS LIST

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).

16. OTHER INFORMATION

REASON FOR ISSUE: New issue

APPROVAL DATE: December 13, 2006

SUPERCEDES DATE: December 13, 2006

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Lyden Oil Company. The data on this sheet are related only to the specific material designated herein. Lyden Oil Company assumes no legal responsibility for use or reliance upon these data.

END OF MSDS
