



## MATERIAL SAFETY DATA SHEET

U.S. Department of Labor Compliance  
OSHA's Hazard Communication Standard CFR 1910.1200

**PRODUCT IDENTITY: ProGuard Premium, Ultimate & XAW Hydraulic Oils (all grades: 32, 46, 68, 100)**

### SECTION 1

Manufacturer's Name: 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

### SECTION 2: COMPOSITION/INFORMATION AND INGREDIENTS

Chemical Ingredient		CAS #
Highly refined light paraffinic distillate	99%	64741-89-5
Proprietary additives	<1.0%	Mixture

### SECTION 3: HAZARD IDENTIFICATION

**EMERGENCY OVERVIEW:** *Oil mist, if generated.*

### HMIS Hazard Rating

H 0  
F 1  
R 0

**US OSHA HAZARD COMMUNICATION STANDARD:** Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

### **Potential Health Effects:**

**Inhalation:** Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem.

**Eye Contact:** Expected to be minor eye irritant.

**Skin Contact:** Repeated or prolonged skin contact may cause dermatitis and defatting.

**Ingestion:** Not expected to be acutely toxic.

**Chronic:** None known.

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#### **SECTION 4: FIRST AID MEASURES**

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*Inhalation:* Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Get medical attention.

*Eye Contact:* Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

*Skin Contact:* Flush with large amounts of water. Use soap if possible. Remove severely contaminated clothing and wash before reuse. If irritation persists seek medical attention.

*Ingestion:* If swallowed, DO NOT induce vomiting.

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#### **SECTION 5: FIRE-FIGHTING MEASURES**

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*Flashpoint (method):* 396 deg F (202 deg C)

*Flammable Limits:* Not established

*Autoignition Temperature:* No Data Available

*Extinguishing Media:* Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), foam.

*Fire-Fighting Instructions:* Avoid breathing smoke and vapor.

*Fire-Fighting Equipment:* Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers.

*Hazardous Combustion Products:* Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

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#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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*Spill/Leak Procedures:* Remove sources of ignition. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with absorbent pads. Large spills may be taken up with pump or vacuum.

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#### **SECTION 7: HANDLING AND STORAGE**

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*Storage Temperature:* Ambient

*Storage Pressure:* Atmospheric

*General:* Keep container closed. Store in a cool, well ventilated place. Keep away from heat, sparks and flame. Empty containers may contain residues.

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#### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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*Exposure Limits:* Oil mist if generated: TLV (ACGIH) 5mg/m<sup>3</sup> -8 hr TWA, STEL (ACGIH) 10 mg/m<sup>3</sup>, PEL (OSHA) 5 mg/m<sup>3</sup> -8 hr TWA.

*Ventilation:* Good general ventilation at source of vapor.

*Personal Protection:* For open systems where contact is likely, wear safety glasses with side shields, long sleeves and chemical resistant gloves.

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#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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*Appearance/Odor:* Petroleum odor, clear, amber liquid

*Vapor Pressure:* <1 (air=1.0)

*Solubility in Water:* Insoluble

*Evaporation Rate, n-Bu Acetate = 1:* Nil

*VOC:* Nil

*Specific Gravity:* 0.87

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#### **SECTION 2: STABILITY AND REACTIVITY**

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*Stability:* Stable under normal temperatures and pressures.

*Conditions to Avoid:* None known

*Materials to Avoid:* Strong oxidizing agents.

*Hazardous Polymerization:* Will not occur.

*Hazardous Decomposition:* None.

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**SECTION 11: TOXICOLOGICAL INFORMATION**  
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*Oral Toxicity (rats):* Practically non-toxic (LD50: greater than 2000 mg/kg.)

*Dermal Toxicity (rabbits):* Practically non-toxic (LD50: greater than 2000 mg/kg.)

*Inhalation Toxicity (rats):* Practically non-toxic (LC50: greater than 5 mg/l).

*Eye Irritation (rabbits):* Practically non-irritating. (Draize score: greater than 6 but 15 or less.)

*Skin Irritation (rabbits):* Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3.)

*Chronic Toxicology:* The base oils in this product are severely solvent refined and/or hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as Modified Ames Test and IP-346.

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**SECTION 12: ECOLOGICAL INFORMATION**  
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*Ecotoxicity:* No data available.

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**SECTION 13: DISPOSAL CONSIDERATIONS**  
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This product is not regulated by CERCLA/RCRA as a hazardous waste or material. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations.

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**SECTION 14: TRANSPORTATION INFORMATION**  
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*DOT*

*IMO*

*Description*

*Proper Shipping Name:* Not regulated

*Proper Shipping Name:* Not regulated

*Hazard Class:* Not regulated

*Hazard Class:* Not regulated

*ID Number:* Not regulated

*Packing Group:* Not applicable

*Packing Group:* Not applicable

*Special Information:* Not applicable

*Special Information:* Not applicable

*IMO Label:* Not applicable

*Shipping Containers:* Not applicable

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**SECTION 15: REGULATORY INFORMATION**  
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TSCA: This material is in compliance with the Toxic Substances control Act (15 USC 2601-2629) and is listed in the TSCA Inventory.

Hazard Categories for SARA 311/312 Reporting:

Health	Immediate (Acute)	No
Health	Delayed (Chronic)	No
Physical	Fire	No
Physical	Sudden Release of Pressure	No
Physical	Reactive	No
Physical	Nuisance Mist/Dust Only	No

12=CERCLA 3024      22=TSCA Sect 6      03=NTP Carcinogen  
13=MN RTK          23=TSCA Sect 12 (b)

04=CA Prop 65-Carcin      14=ACGIM TWA      24=TSCA Sect 8(a)  
05=CA Prop 65-Repro Tox      15=ACGIH STEL      25=TSCA Sect 8(d)  
06=IARC Group 1      16=ACGIH Calc TLV      26=TSCA Sect 4(a)  
07=IARC Group 2A      17=OSHA PEL      27=Canadian WHMIS  
08=IARC Group 2B      18=DOT Marine Pollutant      28=OSHA CEILING  
09=SARA 302/304      20=EPA Carcinogen  
10=PA RTK

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED LIGHT PARAFFINIC is found on lists: 14, 15, 17

NEW JERSEY RTK CLASSIFICATION: Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL

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**SECTION 16: OTHER INFORMATION**

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Updated: October 23, 2009

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Disclaimer: Lyden Oil Company, Inc. believes this information is accurate but not all-inclusive in all circumstances. It is the responsibility of the user to determine suitability of the material for their purposes. No warranty, expressed or implied, is given.