



# Safety Data Sheet

Lyden Oil Company

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## PROGUARD EP 2200 Gear Oil

SDS Number: 60452-2200

<b>1</b>	<b>PRODUCT AND COMPANY INFORMATION</b>
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Product Name: PROGUARD EP 2200 Gear Oil  
Revision Date: 08/07/2015  
SDS Number: 60452-2200  
Common Name: PROGUARD ISO 2200 Industrial Gear Oil  
CAS Number: Blend  
Product Code: 1058  
Synonyms: ISO 2200 Industrial Gear Oil

### Company Identification:

*Manufactured for:*  
LYDEN OIL COMPANY  
3711 LeHarps Road  
Youngstown, OH 44515

For Product Information: 1-330-792-1100  
For Emergencies: 1-800-424-9300  
CHEMTREC: 1-800-424-9300 or 1-703-527-3887

<b>2</b>	<b>HAZARDS IDENTIFICATION</b>
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Signal Word: **None**

Hazard Classes/Categories: None

Hazard Statement(s): None

Precaution Statement(s):  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.

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Other Hazard Statement(s):

-NFPA Ratings:

Health = 1

Fire = 1

Reactivity = 0

**3** COMPOSITION / INFORMATION ON INGREDIENTSIngredients:*Mixture of the substances listed below with nonhazardous additions.*

Chemical Name	CAS Number	Percentage
Residual oils (petroleum), solvent-refined	64742-01-4	50-100
Asphaltic Resin	8052-42-4	25-50

*\*Any concentration shown as a range is to protect confidentiality or is due to batch variation.***4** FIRST AID MEASURESDescription of First Aid Measures:

## Inhalation:

Remove person to fresh air and keep comfortable breathing. In case of unconsciousness, place patient stably in side position for transportation. Call a POISON CENTER and consult medical attention if you feel unwell.

## Skin Contact:

Wash with plenty of water, if skin irritation occurs: get medical attention. Remove contaminated clothing and wash before reuse.

## Eye Contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult medical attention.

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Ingestion:

Rinse mouth with water. If symptoms develop, obtain medical attention.

Symptoms and Effects, both acute and delayed:

No further relevant data available.

Recommended Actions:

Treat symptomatically. Call a doctor or poison control center for guidance.

**5** FIRE FIGHTING MEASURES

Recommended Fire-Extinguishing Equipment:

Use fire-fighting measures and equipment suitable for the environment.

Possible Hazards During a Fire:

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

Recommendations to Firefighters:

No special measures required.

**6** ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with skin and eyes.

Emergency Procedures:

Contain spilled material, collect in suitable and properly labeled containers.

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### Environmental Precautions:

Do not allow to reach sewage system or any water course.  
Do not allow to enter ground waters.

### Cleanup Procedures:

Absorb with liquid-binding material (sand, diatomite, acid binders, iniversal binders, sawdust.

## 7 HANDLING AND STORAGE

### Handling Precautions:

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

### Storage Requirements:

Keep container tightly sealed.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits:

-64742-01-4 Residual oils (petroleum), solvent-refined (50-100%):

OSHA PEL – Long-term value: 5mg/m<sup>3</sup>

- Asphaltic Resin (25-50%):

PEL - Long-term value: 5mg/m<sup>3</sup>

REL – Short-term value: 10mg/m<sup>3</sup>

Long-term value: 5mg/m<sup>3</sup>

Ceiling limit value: 5mg/m<sup>3</sup> (15 minutes)

TLV – Short-term value: 10mg/m<sup>3</sup>

Long-term value: 5mg/m<sup>3</sup>

BEI – Medium: urine, Time: end of shift at end or workweek, Parameter: 1-

Hydroxyprrene with hydrolysis (nonquantitative)

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Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment:

Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin. Use safety glasses and gloves. In case of low exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**9** **PHYSICAL AND CHEMICAL PROPERTIES**

Color:	Dark brown
Physical State:	Liquid
Odor:	Petroleum-like
Odor Threshold:	Data not available
pH:	Data not available
Melting Point:	Data not available
Boiling Point:	338° C / 640° F
Boiling Range:	Data not available
Flash Point:	290° C / 554° F
Evaporation Rate:	Data not available
Flammability:	Data not available
Flammability Limits:	Data not available
Vapor Pressure:	Data not available
Vapor Density:	Data not available
Relative Density:	7.667 pounds per gallon at 68° F
Solubilities:	Insoluble in water
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	Data not available
Decomposition Temperature:	Data not available
Viscosity:	2200 mm <sup>2</sup> /sec (kinematic at 40° C)

**10** STABILITY AND REACTIVITYStability:

Stable under normal conditions.

Reactivity:

Not reactive under normal conditions.

Conditions to Avoid:

No further relevant information available.

Hazardous Reactions:

No known hazardous reactions.

Incompatible Materials:

No further relevant information available.

Decomposition Products:

Hazardous decomposition products are not expected to form.

**11** TOXICOLOGICAL INFORMATIONRoutes of Exposure:

Skin, eye contact, and inhalation are the primary routes of exposure although exposure may occur following accidental ingestion.

Exposure Effects:Irritant to skin and mucous membranes.  
Irritant to eyes.  
Inhalation of vapors or mists may cause irritation.Measures of Toxicity:

Acute Toxicity Estimates:

Oral LD50: 3634 mg/kg (rat)

Dermal LD50: 4805 mg/kg (rabbit)

Inhalative LC50: 907 mg/l (4 hours) (rat)

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Carcinogenic/Mutagenic Precautions:

Asphaltic resin: Carcinogenic category 2B (IARC).

**12** ECOLOGICAL INFORMATION

Ecological Precautions:

Avoid exposing to the environment.

Ecological Effects:

Water hazard class 1 (self-assessment): Slightly hazardous to water.

**13** DISPOSAL CONSIDERATIONS

Disposal Methods:

Dispose of waste material in accordance with all local, state, and federal requirements.

Disposal Containers:

Use properly approved container for disposal.

Special Precautions:

Do not dispose of with household garbage.  
Do not flush to surface waters or drains.

**14** TRANSPORT INFORMATION

UN Number: Data not available

UN Shipping Name: Data not available

Transport Hazard Class: Data not available

Packing Group: Data not available

Environmental Hazards:

Data not available

Bulk Transport Guidance:

Data not available



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### Special Precautions:

Not regulated by DOT.

### 15 REGULATORY INFORMATION

This material and all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act.

### 16 OTHER INFORMATION

Last Revision Date: 08/07/2015

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