

PROGUARD Altra Advantage FR 46 Hydraulic Fluid

SDS Number: 11175

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PRODUCT AND COMPANY INFORMATION

Product Name: PROGUARD Altra Advantage FR 46 Hydraulic Fluid
Revision Date: 12/18/2018
SDS Number: 11175
Common Name: Fire resistant hydraulic fluid
CAS Number: Blend
Product Code: 11175
Synonyms: Fire resistant hydraulic fluid

Company Identification:

Manufactured for:
LYDEN OIL COMPANY
3711 LeHarps Drive
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

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HAZARDS IDENTIFICATION



Signal Word:

WARNING

Hazard Classes/Categories:

Specific target organ toxicity – repeated exposure, Category 2.

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Hazard Statement(s):

H373: May cause damage to organs through prolonged or repeated exposure.

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.
P260: Do not breathe dust/fumes/gas/mist/vapors/spray.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Other Hazard Statement(s):

Repeated skin contact may cause dermatitis or an oil acne.

3**COMPOSITION / INFORMATION ON INGREDIENTS**Ingredients:

Mixture of the substances listed below with nonhazardous additions.

| Chemical Name | CAS Number | Percentage |
|----------------------|-------------------|-------------------|
| Diethylene Glycol | 111-46-6 | 30-39 |
| Water | 7732-18-5 | 42-50 |
| Polyalkylene Glycol | N/A | 12-20 |
| Decanoic Acid | 334-48-5 | <2 |

**Any concentration shown as a range is to protect confidentiality or is due to batch variation.*

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4 FIRST AID MEASURES

Description of First Aid Measures:

Inhalation:

If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact:

Wash with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if needed.

Eye Contact:

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

Ingestion:

Do not induce vomiting. Seek medical attention immediately. If person is fully conscious give 1 cup or 8 ounces (240ml) of water. If medical advice is delayed and if an adult has swallowed several ounces of chemical, then give 3-4 ounces (1/3-1/2 Cup) (90-120 ml) of hard liquor such as 80 proof whiskey. For children, give proportionally less liquor at a dose of 0.3 ounce (1 1/2 tsp.) (8 ml) liquor for each 10 pounds of body weight, or 2 ml per kg body weight [e.g., 1.2 ounce (2 1/3 tbsp.) for a 40 pound child or 36 ml for an 18 kg child].

Symptoms and Effects, both acute and delayed:

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Recommended Actions:

Notes to physician: Due to structural analogy and clinical data, this material may have a mechanism of intoxication similar to ethylene glycol. On that basis, treatment similar to ethylene glycol

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intoxication may be of benefit. In cases where several ounces (60 - 100 ml) have been ingested, consider the use of ethanol and hemodialysis in the treatment. Consult standard literature for details of treatment. If ethanol is used, a therapeutically effective blood concentration in the range of 100 - 150 mg/dl may be achieved by a rapid loading dose followed by a continuous intravenous infusion. Consult standard literature for details of treatment. 4-Methyl pyrazole (Antizol®) is an effective blocker of alcohol dehydrogenase and should be used in the treatment of ethylene glycol (EG), di- or triethylene glycol (DEG, TEG), ethylene glycol butyl ether (EGBE), or methanol intoxication if available. Fomepizole protocol (Brent, J. et al., New England Journal of Medicine, Feb. 8, 2001, 344:6, p. 424-9): loading dose 15 mg/kg intravenously, follow by bolus dose of 10 mg/kg every 12 hours; after 48 hours, increase bolus dose to 15 mg/kg every 12 hours. Continue fomepizole until serum methanol, EG, DEG, TEG or EGBE are undetectable. The signs and symptoms of poisoning include anion gap metabolic acidosis, CNS depression, renal tubular injury, and possible late stage cranial nerve involvement. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. In severe poisoning, respiratory support with mechanical ventilation and positive end expiratory pressure may be required. Maintain adequate ventilation and oxygenation of the patient. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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5 FIRE FIGHTING MEASURES

Recommended Fire-Extinguishing Equipment:

Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Do not use direct water stream. May spread fire. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Possible Hazards During a Fire:

Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

Recommendations to Firefighters:

Keep people away. Isolate fire and deny unnecessary entry. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with skin, eyes, and clothing. Keep away from sources of ignition. Liquid will not burn as made. After the water evaporates, remaining material will burn.

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Emergency Procedures:

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

Environmental Precautions:

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

Do not allow to enter ground waters.

Cleanup Procedures:

Pick up excess with inert absorbant material.

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HANDLING AND STORAGE

Handling Precautions:

Handle with care and avoid spillage on the floor.

Do not cut, weld, drill, grind, braze, or solder container.

Storage Requirements:

Store in original container, shelf-life: 2 years.

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EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

-111-46-6 Diethylene Glycol (30-39%)

OSHA TWA – Long-term value: 10mg/m³

Engineering Controls:

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

Personal Protective Equipment:

Wash hands before breaks and at the end of work.
Use safety glasses and gloves.

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9**PHYSICAL AND CHEMICAL PROPERTIES**

| | |
|----------------------------|--|
| Color: | Transparent red |
| Physical State: | Liquid |
| Odor: | Data not available |
| Odor Threshold: | Data not available |
| pH: | 9.5 |
| Melting Point: | -42° C |
| Boiling Point: | 100° C |
| Boiling Range: | Data not available |
| Flash Point: | None |
| 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: | Data not available |
| Solubilities: | Completely soluble in water |
| Partition Coefficient: | Data not available |
| Auto-Ignition Temperature: | Data not available |
| Decomposition Temperature: | Data not available |
| Viscosity: | 46 mm ² /sec (kinematic at 40° C) |

10**STABILITY AND REACTIVITY**Stability:

Stable under normal conditions.

Reactivity:

Not reactive under normal conditions.

Conditions to Avoid:

Extreme temperature and direct sunlight. Do not allow water component to evaporate.

Hazardous Reactions:

No known hazardous reactions.

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Incompatible Materials:

Strong acids, strong bases, and strong oxidizers.

Decomposition Products:

Hazardous decomposition products are not expected to form.

11 TOXICOLOGICAL INFORMATION

Routes of Exposure:

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

Exposure Effects:

Repeated skin contact may cause dermatitis or an oil acne.

Measures of Toxicity:

No test data available.

Carcinogenic/Mutagenic Precautions:

Non-carcinogenic and not expected to be mutagenic.

12 ECOLOGICAL INFORMATION

Ecological Precautions:

Avoid exposing to the environment.

Ecological Effects:

No specific environmental or aquatic data available.

13 DISPOSAL CONSIDERATIONS

Disposal Methods:

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

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Disposal Containers:

Use properly approved container for disposal.

Special Precautions:

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

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: 12/18/2018

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