



Safety Data Sheet

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Lyden Fuel Force Heavy Duty DOT 4 Brake Fluid

SDS Number: FF720

1 PRODUCT AND COMPANY INFORMATION

Product Name: Lyden Fuel Force Heavy Duty DOT 4 Brake Fluid
Revision Date: 03/07/2025
SDS Number: FF720
Common Name: Automotive brake fluid
CAS Number: Blend
Product Code: FF720
Synonyms: Automotive brake fluid

Company Identification:

Manufactured for:
LYDEN OIL COMPANY
30692 Tracy Rd.
Walbridge, OH 43462
www.lydenoil.com

For Product Information: 1-800-245-9336
For Emergencies: 1-800-424-9300 (CHEMTREC)

2 HAZARDS IDENTIFICATION

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.
- P264: Wash hands, face, and exposed skin thoroughly after handling.



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P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Other Hazard Statement(s):

-NFPA Ratings:

Health = 2

Fire = 1

Reactivity = 0

3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

Mixture of the substances listed below with nonhazardous additions.

Chemical Name	CAS Number	Percentage
Triethylene glycol monoethyl ether	112-50-5	20-30
Diethylene glycol monoethyl ether	111-90-0	10-20
Diethylene glycol monobutyl ether	112-34-5	5-10
Diethylene glycol	111-46-6	3-8

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

4 FIRST AID MEASURES

Description of First Aid Measures:

Inhalation:

Move to fresh air.

Skin Contact:

Wash skin with soap and water.

Eye Contact:

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation persists, call a physician.



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Ingestion:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

Symptoms and Effects, both acute and delayed:

Red eyes Irritation.

Recommended Actions:

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

5 FIRE FIGHTING MEASURES

Recommended Fire-Extinguishing Equipment:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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:

Proper protective equipment including breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid eye contact. Avoid repeated or prolonged skin contact.
Personal protective equipment must be worn.
Avoid contact with skin, eyes or clothing.



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Emergency Procedures:

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

Environmental Precautions:

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

Inform respective authorities in case of seepage into water course or sewage system.

Cleanup Procedures:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

7 HANDLING AND STORAGE

Handling Precautions:

Wear personal protective equipment. Avoid contact with eyes.

Storage Requirements:

Keep containers tightly closed in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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:	Amber
Physical State:	Liquid
Odor:	Etheric
Odor Threshold:	Data not available
pH:	10.5
Melting Point:	Data not available
Boiling Point:	>230° C
Boiling Range:	Data not available
Flash Point:	203° C
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:	1.06
Solubilities:	Fully miscible with water
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	Data not available
Decomposition Temperature:	Data not available
Viscosity:	<1500 cSt

10 STABILITY AND REACTIVITY

<u>Stability:</u>	Stable under normal conditions.
<u>Reactivity:</u>	Not reactive under normal conditions.
<u>Conditions to Avoid:</u>	No further relevant information available.
<u>Hazardous Reactions:</u>	No known hazardous reactions.
<u>Incompatible Materials:</u>	Strong oxidizers.
<u>Decomposition Products:</u>	Oxides of carbon.



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11 TOXICOLOGICAL INFORMATION

Routes of Exposure:

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

Exposure Effects:

- On the skin: Non-irritating during normal use.
- On the eye: Irritating to eyes.
- Inhalation: May cause respiratory tract irritation.
- Ingestion: Ingestion may cause irritation to mucous membranes.

Measures of Toxicity:

No test data available.

Carcinogenic/Mutagenic Precautions:

Non-carcinogenic and not expected to be mutagenic.

12 ECOLOGICAL INFORMATION

Ecological Precautions:

Do not allow product to reach ground water, water course or sewage system.

Ecological Effects:

-Diethylene glycol monoethyl ether:

LC50 96 h: 11400-15700 mg/L flow-through
(Oncorhynchus mykiss)

LC50 96 h: 11600-16700 mg/L flow-through
(Pimephales promelas)

LC50 96 h: 19100-23900 mg/L flow-through
(Lepomis macrochirus)

LC50 96 h: = 10000 mg/L
static (Lepomis macrochirus)

LC50 96 h: = 13400 mg/L
flow-through (Salmo gairdneri)

EC50 48 h: 3940 – 4670 mg/L (Daphnia magna)



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-Tetraethylene glycol:

EC50 96 h: > 1000 mg/L
(Pseudokirchneriella
subcapitata)
LC50 96 h: > 1000 mg/L
static (Oncorhynchus mykiss)
EC50 > 100 mg/L 6 h
EC50 48 h: > 1000 mg/L
(Daphnia magna)

-Triethylene glycol:

LC50 96 h: 56200-63700 mg/L flow-through
(Pimephales promelas)
LC50 96 h: = 10000 mg/L static (Lepomis macrochirus)
LC50 96 h: = 61000 mg/L
flow-through (Lepomis macrochirus)
EC50 = 850 mg/L 5 min
EC50 48 h: = 42426 mg/L
(Daphnia magna)

-Diethylene glycol monobutyl ether:

EC50 96 h: > 100 mg/L
(Desmodesmus subspicatus)
LC50 96 h: = 1300 mg/L static
(Lepomis macrochirus)
EC50 24 h: = 2850 mg/L
(Daphnia magna)
EC50 48 h: > 100 mg/L
(Daphnia magna)

-Diethylene glycol:

LC50 96 h: = 75200 mg/L flow-through
(Pimephales promelas)
EC50 = 29228 mg/L 15 min
EC50 48 h: = 84000 mg/L
(Daphnia magna)



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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

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: 03/07/2025

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