



Safety Data Sheet

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Lyden Fuel Force 75W-140 Synthetic Gear Lube

SDS Number: FF545

1 PRODUCT AND COMPANY INFORMATION

Product Name: Lyden Fuel Force 75W-140 Synthetic Gear Lube
Revision Date: 03/07/2025
SDS Number: FF545
Common Name: 75W-140 Synthetic Gear Oil
CAS Number: Blend
Product Code: FF545
Synonyms: 75W-140 Gear Oil

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:

WARNING

Hazard Classes/Categories:

Skin sensitization, Category 1.
Hazardous to the aquatic environment, Category acute 3.
Hazardous to the aquatic environment, Category chronic 3.



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Hazard Statement(s):

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long-lasting effects.

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.
P280: Wear protective gloves.
P273: Avoid release to the environment.
P261: Avoid breathing vapors/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P302+352: IF ON SKIN: Wash with plenty of water.
P363: Wash contaminated clothing before reuse.
P333+313: If skin irritation or a rash occurs: Get medical advice/attention.
P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazard Statement(s):

-NFPA Ratings:
Health = 1
Fire = 1
Reactivity = 0

3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

Mixture of the substances listed below with nonhazardous additions.

Chemical Name	CAS Number	Percentage
1-Decene, homopolymer, hydrogenated	68037-01-4	30 - 60
Long-chain alkyl amine	N/A	0.1 - 1
Long-chain alkenyl amine	N/A	0.1 - 1
Diphenylamine	122-39-4	0.1 - 1

**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:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately.

Skin Contact:

Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye Contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.

Ingestion:

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

Symptoms and Effects, both acute and delayed:

No further relevant data available.

Recommended Actions:

Treat symptomatically. Call a doctor or poison



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control center for guidance.

5 FIRE FIGHTING MEASURES

Recommended Fire-Extinguishing Equipment:

Use dry powder, foam, or carbon dioxide fire extinguishers. Water may be ineffective in fighting an oil fire unless used by experienced fire fighters.

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.

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,



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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:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

-Diphenylamine:

ACGIH TLV (United States, 4/2014)

TWA: 10 mg/m³ 8 hours

NIOSH REL (United States, 10/2013)

TWA: 10 mg/m³ 10 hours

OSHA PEL 1989 (United States, 3/1989)

TWA: 10 ppm 8 hours

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:	Yellow
Physical State:	Liquid
Odor:	Petroleum
Odor Threshold:	Data not available
pH:	Data not available
Melting Point:	Data not available
Boiling Point:	Data not available
Boiling Range:	Data not available
Flash Point:	185° C / 365° F (COC Method)
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:	0.855 to 0.865
Solubilities:	Insoluble in water
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	Data not available
Decomposition Temperature:	Data not available
Viscosity:	>165 mm ² /sec (kinematic at 40° C)

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>	



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Strong oxidizers.

Decomposition Products:

Oxides of carbon.

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:

Repeated skin contact may cause dermatitis or an oil acne.

Measures of Toxicity:

-Diphenylamine:

LD50 Dermal (Rabbit): >5000 mg/kg

LD50 Oral (Rat): 1120 mg/kg

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:

-Diphenylamine:

Acute EC50: 2.17 mg/L Fresh water, Algae - Pseudokirchneriella subcapitata - Exponential growth phase - 72 hours

Acute EC50: 1.2 mg/L Fresh water, Daphnia - Daphnia magna - New born - 48 hours

Acute LC50: 2.2 ppm Fresh water, Fish - Oncorhynchus mykiss - 96 hours

Chronic NOEC: 0.37 mg/L Fresh water, Algae - Pseudokirchneriella subcapitata - Exponential growth phase - 72 hours



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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 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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