



Safety Data Sheet

Lyden Oil Company

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R.V. Antifreeze -50

SDS Number: 901131

1 PRODUCT AND COMPANY INFORMATION

Product Name: R.V. Antifreeze -50
Revision Date: 09/27/2016
SDS Number: 901131
Common Name: Propylene glycol solution
CAS Number: Blend
Product Code: 901131
Synonyms: Marine/R.V. antifreeze

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

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.

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Other Hazard Statement(s):

-NFPA Ratings:

Health = 0

Fire = 1

Reactivity = 0

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

Chemical Name	CAS Number	Percentage
Propylene glycol	57-55-6	35-40
Additives	N/A	<1

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:

If symptoms develop, move victim to fresh air and keep in a position comfortable for breathing. 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 at least 15 minutes under running water. If symptoms persist, consult medical attention.

Ingestion:

Rinse mouth with water and drink plenty of water to dilute. If symptoms develop, obtain medical attention.



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Symptoms and Effects, both acute and delayed:

Acute - Mild eye, skin, and/or respiratory tract irritation.

Recommended Actions:

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

5 FIRE FIGHTING MEASURES

Recommended Fire-Extinguishing Equipment:

Use an extinguishing agent suitable for the surrounding fire.

Possible Hazards During a Fire:

In a fire or if heated, a pressure increase will occur and the container may burst.

Recommendations to Firefighters:

Proper protective equipment including breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with skin, eyes, and clothing. Avoid breathing vapors.
Keep away from sources of ignition.

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:

Pick up excess with inert absorbant material if released on the ground. Suppress vapors using water fog if released to the air. Notify all downstream users of possible contamination if released to waters. Treat contaminated absorbent same as spilled product.

7 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:

Keep container tightly sealed and stored in a dry, cool place.
Keep away from sources of ignition.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

-57-55-6 Propylene Glycol (35-40%):

AIHA WEEL TWA - 10mg/m³ (aerosol)

Engineering Controls:

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



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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:	Colorless
Physical State:	Liquid
Odor:	Mild
Odor Threshold:	Data not available
pH:	Data not available
Melting Point:	< 0° F
Boiling Point:	>230° F
Boiling Range:	Data not available
Flash Point:	Data not available
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:	1.047 (where water = 1)
Solubilities:	Completely miscible in water
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	Data not available
Decomposition Temperature:	Data not available
Viscosity:	Data not available



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10 STABILITY AND REACTIVITY

Stability:

Stable under normal conditions.

Reactivity:

Reacts with strong oxidants, causing a fire hazard.

Conditions to Avoid:

Extreme temperature, sparks, open flame, and direct sunlight.

Hazardous Reactions:

May react with hydrofluoric acid, nitric acid, and silver nitrate to form the explosive silver fulminate.

Incompatible Materials:

Strong oxidizers.

Decomposition Products:

Oxides of carbon.

11 TOXICOLOGICAL INFORMATION

Routes of Exposure:

This material is absorbed into the body by inhalation of its vapor, and by ingestion.

Exposure Effects:

May irritate the eyes causing redness and pain.
May cause mild irritation to the skin.

Measures of Toxicity:

Component Acute Toxicity Estimates:

-57-55-6 Propylene glycol:

Oral LD50: >5000 mg/kg (rat)

Dermal LD50: >2000 mg/kg (rabbit)



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Carcinogenic/Mutagenic Precautions:

Non-carcinogenic and not expected to be mutagenic.

12 ECOLOGICAL INFORMATION

Ecological Precautions:

Avoid exposing to the environment.

Ecological Effects:

-57-55-6 Propylene glycol:

LC50 - Fathead minnow: >62000 mg/L (96 hours)

LC50 - Daphnia magna: >43500 mg/L (48 hours)

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



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Bulk Transport Guidance:

Data not available

Special Precautions:

Not regulated by DOT.

15 REGULATORY INFORMATION

The following product components are cited on the Pennsylvania Hazardous Substances List and/or the Pennsylvania Environmental Hazardous Substances List and are present at levels which require reporting:

-57-55-6 Propylene glycol

Listing: PA RTK

35-40%

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: 09/27/2016

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