

Preserve

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations



SECTION 1: IDENTIFICATION OF PRODUCT/COMPANY/SUPPLIER

1.1 Product identifiers

Product name: Preserve

1.2 Relevant identified uses of the product and restrictions on use

Recommended uses: Fuel Additive
Restrictions on use: For Industrial and Professional Use

1.3 Details of the supplier of the safety data sheet

Company name: Opti-Lube Inc.
Address: 1646 W Business Park Drive, Suite B
City/State/Zip: Orem, UT 84058, USA
Website: www.opti-lube.com
Phone number: 801-491-3717

1.4 Emergency response number

Hazmat Line: +1 656 208 0809

SECTION 2: HAZARDS IDENTIFICATION

2.1 GHS Hazard classification/statements according to [29 CFR 1910.1200](#) (OSHA):

Flammable Liquids, Category 3: H226 – Flammable liquid and vapor
Aspiration Hazard, Category 1: H304 – May be fatal if swallowed and enters airways
Skin Irritation, Category 2: H315 – Causes skin irritation
Eye Irritation, Category 2A: H319 – Causes serious eye irritation
Carcinogenicity, Category 2: H351 – Suspected of causing cancer
Reproductive Toxicity, Category 1A: H360 – May damage fertility or the unborn child.
STOT SE, Category 3: H336 – May cause drowsiness or dizziness.

2.2 GHS Label Elements according to [29 CFR 1910.1200](#) (OSHA):

Pictogram:



Signal word: Danger!

2.3 GHS Precautionary Statements according to [29 CFR 1910.1200](#) (OSHA):

P203: Obtain, read, and follow all safety instructions before use.
P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.

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- P241:** Use explosion proof electrical, ventilating, lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P264: Wash hands/skin thoroughly after handling.
P272: Contaminated work clothing must not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P370+P378: In case of fire: Use water fog, foam, dry chemical powder, and CO₂ for extinction.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
P501: Dispose of contents/container to an approved waste disposal plant.

2.4 Other Hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical Name	CAS Number	Concentration
Solvent naphtha, petroleum, light aromatic	64742-95-6	40-50%
1,2,4-Trimethylbenzene	95-63-6	25-30%
1,3,5-Trimethylbenzene	108-67-8	8-12%
1,2,3-Trimethylbenzene	526-73-8	1-3%
Heavy aromatic naphtha	94742-94-5	1-3%
Amine Compound	Proprietary	1-2%
Naphthalene	91-20-3	>1%
Xylene	1330-20-7	>1%
Ethylbenzene	100-41-4	>1%

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*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General: Take off contaminated clothing immediately. If exposed or concerned, get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Wash contaminated clothing before reuse.

If Inhaled: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/attention.

If Swallowed: If swallowed, do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.

Skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable methods: Foam. Dry chemical. Carbon dioxide.

Unsuitable methods: None known.

5.2 Specific hazards arising from the substance/mixture

Flammable liquid and vapor. Products of combustion may include, and are not limited to: oxides of carbon. May form flammable/explosive vapor-air mixture.

5.3 Special protective equipment and precautions for firefighters

Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Use water spray to keep fire-exposed containers cool.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

6.2 Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses, or onto the ground. Use appropriate containment to avoid environmental contamination.

6.3 Methods and materials for containment and cleaning up

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Scoop up material and place in a disposal container. Provide ventilation. For waste disposal, see Section 13 of this SDS.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from sources of ignition - No smoking. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use personal protective equipment as required.

7.2 Conditions for safe storage, including any compatibilities

Proper grounding procedures to avoid static electricity should be followed. Keep out of the reach of children. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Keep container tightly closed when not in use. Storage temperature: 39 – 120°F.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Controls

Occupational exposure limit values:

Chemical Name	Source	Value
1,2,3-Trimethylbenzene	ACGIH	TWA: 25 ppm
Naphthalene	OSHA	TWA: 10 ppm (50 mg/m ³)
	ACGIH	TWA: 10 ppm (52 mg/m ³)
Xylene	OSHA	TWA: 100 ppm (435 mg/m ³)
	ACGIH	TWA: 20 ppm
	NIOSH	TWA: 100 ppm (435 mg/m ³)

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Ethylbenzene

ACGIH

TWA: 20 ppm

OSHA

TWA: 435 mg/m³

Engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

8.2 Personal Protective Equipment



Hand protection: Wear appropriate chemical resistant gloves.

Eye/Face protection: Wear safety glasses with side shields (or goggles) and a face shield.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hygiene measures: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Color:	Yellow
Odor:	Mild
Odor Threshold:	Not determined
pH	Not determined
Melting Point:	Not determined
Boiling Point:	300°F – 355°F (149°C - 179°C)
Flash Point:	110°F (43°C)
Auto-ignition Temperature:	Not determined
Upper/Lower Explosive Limits:	Not determined
Vapor Pressure:	4.6 – mmHg @ 70°F (21°C)
Evaporation Rate:	Not determined
Flammability (Solid, Gas):	Flammable
Specific Gravity:	0.88
Relative Density:	Not determined
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol / water):	Not determined
Decomposition Temperature:	Not determined
Viscosity	11 – 13 cps

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal storage conditions. May form flammable/explosive vapor-air mixture.

10.3 Possibility of Hazardous Reactions

No dangerous reactions known under conditions of normal use.

10.4 Conditions to avoid

Heat. Incompatible materials. Sources of ignition.

10.5 Incompatible materials

Oxidizers.

10.6 Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Harmful if swallowed.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory/Skin sensitization: Not classified based on available information.

Germ cell mutagenicity: No data is available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: Suspected of causing cancer.

Reproductive toxicity: May damage fertility or the unborn child.

Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure: Not classified based on available information.

Aspiration hazard: May be fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecology - general: May cause long-term adverse effects in the aquatic environment.

12.2 Persistence and Degradability

No additional information available.

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12.3 Bioaccumulative potential

No additional information available.

12.4 Mobility in soil

The product is insoluble in water.

12.5 Other adverse effects

Effect on the global warming – No known ecological damage caused by this product.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

Contaminated Packaging: Handle empty containers with care because residual vapors are flammable.

SECTION 14: TRANSPORT INFORMATION

14.1 Transport information

UN Number: UN 1993

UN Proper Shipping Name: Combustible Liquid, N.O.S.

Transport Hazard Class: Class 3

Packing Group: III

Marine Pollutant: No

*This product may be reclassified as a combustible liquid. Refer to 49 CFR Section 173.150.

*This material is not regulated for US DOT transportation in quantities less than 119 gallons per 49 CFR 173:150 (f)(1). Does not apply to transportation by vessel or aircraft.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health, and environment regulations/legislation specific for substance or mixture

US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substance Control Act (TSCA) Inventory: All substances in this product are either listed or are exempt from listing on the TSCA Inventory.

Comprehensive Response Compensation and Liability Act (CERCLA): Contains hazardous substances.

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SARA 302/304 Emergency Planning & Notification: Not regulated.

SARA 311/312 Hazard: See Section 2 of this SDS for GHS hazards associated with this product.

SARA 313 (TRI Reporting):

1,3,5-Trimethylbenzene (108-67-8)

Naphthalene (91-20-3)

Xylenes (1330-20-7)

Ethylbenzene (100-41-4)

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

Clean Water Act (CWA) 311: Not regulated.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product can expose you to chemicals which are known to the State of California to cause cancer. This product will not expose you to chemicals known to the State of California to cause birth defects or reproductive harm. For more information go to [\(Proposition 65 List of Chemicals\)](#).

SECTION 16: OTHER INFORMATION

16.1 General information

Revision Date: 4-March-2026

Previous Revision: 10-Aug-2020

Version number: 2.0

National Fire Protection Association (NFPA) Rating:



16.2 Full Text of Abbreviations

CAS – Chemical Abstract Service

GHS – Globally Harmonized System

CFR – Code of Federal Regulations

OSHA – Occupational Safety and Health Administration

NIOSH – The National Institute for Occupational Safety and Health

ACGIH – American Conference of Governmental Industrial Hygienists

TWA – Time Weighted Average

UN – United Nations

DOT – Department of Transportation

TRI – Toxic Release Inventory

SARA – Superfunds Amendments and Reauthorization Act

SDS – Safety Data Sheet

16.3 Disclaimer

The information on this SDS is based on data which is considered to be accurate. Opti-Lube Inc., however, makes no guarantees or warranty, either expressed or implied of the accuracy or completeness of this

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