

Summer Lube + Cetane

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: Summer Lube + Cetane

1.2 Relevant identified uses of the product and restrictions on use

Recommended uses: Diesel 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 4: H227 – Combustible liquid
Aspiration Hazard, Category 1: H304 – May be fatal if swallowed and enters airways
Acute Oral Toxicity, Category 4: H302 – Harmful if swallowed
Acute Dermal Toxicity, Category 4: H312 – Harmful if contact with skin
Acute Inhalation Toxicity, Category 4: H332 – Harmful if inhaled
Eye Irritation, Category 2A: H319 – Causes serious eye irritation
Carcinogenicity, Category 2: H351 – Suspected of causing cancer
Reproductive Toxicity, Category 2: H361 – Suspected of damaging the unborn child
Aquatic Toxicity, Category 2: H401 – Toxic to aquatic life
Aquatic Chronic, Category 2: H411 – Toxic to aquatic life with long lasting effects

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/ sparks/ open flames/ hot surfaces. No smoking.

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- P261:** Avoid breathing dust/fume/gas/mist/vapors/spray.
P264: Wash hands/skin thoroughly after handling.
P270: Do not eat, drink or smoke when using the product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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

Risk of explosion if heated under confinement. Repeated exposure may cause skin dryness or cracking.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical Name	CAS Number	Concentration
2-Ethylhexyl Nitrate	27247-96-7	30%
Soy methyl ester	67784-80-9	10%
2-Butoxyethanol	111-76-2	7.5-15%
tert-Butylbenzene	98-06-6	3-7.5%
Solvent naphtha, heavy aromatic	64742-94-5	0.3-3%
2-Ethylhexanol	104-76-7	0.3-3%
Naphthalene	91-20-3	0.3-3%
1,2,3,5-Tetramethylbenzene	527-53-7	0.3-3%

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1,4-Diethylbenzene	105-05-5	0.3-3%
Long-chain alkenyl amido alkyl ammonio acetate	25054-76-6	0.15-1.5%
Solvent naphtha, light aromatic	64742-95-6	0.15-1.5%
1,2,3,4-Tetramethylbenzene	488-23-3	0.15-1.5%
1,2,3-Trimethylbenzene	526-73-8	0.15-1.5%
Methyl-n-propylbenzene	1074-43-7	0.15-1.5%
1H-Indene, 2-3-dihydro	496-11-7	0.15-1.5%
methyl-1H-benzotriazole	29385-43-1	0.03-0.9%
1,3,5-Trimethylbenzene	108-67-8	0.03-0.9%
m-diethylbenzene	141-93-5	0.03-0.9%

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: 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.

If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

If Swallowed: Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Eye contact: Immediately flush with plenty of water, alternately lifting the upper and lower eyelids. If appropriate, after 5 minutes, remove contact lenses and continue flushing the eyes for an additional 15 minutes. Get medical attention if irritation persists.

Skin contact: Wash skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, seek medical attention. Wash clothing and shoes separately before reuse.

4.2 Most important symptoms and effects, both acute and delayed

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness, headache, nausea, and vomiting. Direct contact with eyes may cause temporary irritation. Direct contact with skin may cause skin irritation including redness and pain.

4.3 Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable methods: Water fog, foam, Carbon dioxide (CO₂). Dry chemical powder, carbon dioxide, sand, or earth may be used for small fires only.

Unsuitable methods: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Specific hazards arising from the substance/mixture

This product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. The product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on the surface of water. During fire, gases hazardous to health may be formed.

5.3 Special protective equipment and precautions for firefighters

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus (SCBA) and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the hazards of other involved materials. In case of fire and/or explosion, do not breathe fumes. Move containers from the fire area if you can do so without risk. Combustible liquid.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

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

Eliminate all sources of ignition - heat, sparks, flame, electricity, and impact. Contain spilled material with dikes or absorbents. Do not allow material to enter soil, surface water, or sewer system. Stop the source of the leak, if it is safe to do so. Take up small spills with absorbent pads. Large spills may be taken up with pump or vacuum.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapors or spray

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mists. Keep away from food and drinking water. Secure container after each use. Store in a cool dry, secure area. Keep out of reach of children. Protect containers against physical damage.

7.2 Conditions for safe storage, including any compatibilities

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. 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. Store in a ventilated area in tightly closed containers equipped with means of preventing the product from reaching 100 °C (Refer to section 10). Maximal recommended storage temperature: 40 °C. (refer to section 10).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Controls

Occupational exposure limit values:

Ingredient	CAS	Source	Value
Solvent naphtha, heavy aromatic	64742-94-5	OSHA	PEL: 100 ppm (400 mg/m ³)
Naphthalene	91-20-3	ACGIH	TWA: 200 mg/m ³
		NIOSH	TWA: 100 mg/m ³
		OSHA	TWA: 10 ppm (50 mg/m ³) STEL: 15 ppm (75 mg/m ³)
1,3,5-Trimethylbenzene	108-67-8	ACGIH	TWA: 10 ppm (52 mg/m ³)
		NIOSH	TWA: 10 ppm (50 mg/m ³) STEL: 15 ppm (75 mg/m ³)
Xylene	1330-20-7	OSHA	TWA: 25 ppm (125 mg/m ³)
		ACGIH	TWA: 10 ppm (123 mg/m ³)
		NIOSH	TWA: 25 ppm (125 mg/m ³)
2-Butoxyethanol	111-76-2	OSHA	TWA: 100 ppm (435 mg/m ³) STEL: TWA: 150 ppm (655 mg/m ³)
		ACGIH	TWA: 20 ppm
		NIOSH	No Established Limit
1,2,3-Trimethylbenzene	526-73-8	OSHA	TWA 50 ppm (240 mg/m ³) [skin]
		ACGIH	TWA: 20 ppm
		NIOSH	No Established Limit
		OSHA	No Established Limit
		ACGIH	TWA: 25 ppm
		NIOSH	TWA: 25 ppm (125 mg/m ³)

Engineering controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors or particles below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

8.2 Personal Protective Equipment



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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 appropriate chemical resistant clothing. Use of an impervious apron is recommended. Wear appropriate thermal protective clothing, when necessary.

Respiratory protection: Chemical respirator with organic vapor cartridge and full facepiece. A NIOSH approved air purifying respirator with organic vapor cartridge may be used, but protection is limited. Use a positive pressure supplied air respirator if there is a potential for uncontrolled release.

Hygiene measures: When using, do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Color:	Light Yellow
Odor:	Aromatic Hydrocarbons
Odor Threshold:	Not determined
pH	Not determined
Melting Point:	Not determined
Boiling Point:	>392 °F (>200 °C)
Flash Point:	77.8 °C (172.0 °F)
Auto-ignition Temperature:	215 °C (419 °F) (calculated)
Upper/Lower Explosive Limits:	Not determined
Vapor Pressure:	Not determined
Evaporation Rate:	Not determined
Flammability (Solid, Gas):	Not determined
Specific Gravity:	0.93
Relative Density:	0.94 g/cm ³ at 25 °C (77 °F) (calculated)
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol / water):	Not determined
Decomposition Temperature:	Not determined
Viscosity	3.43 cSt @ 40°C (104°F)

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage, and transport.

10.2 Chemical stability

Stable under ordinary conditions of use and storage.

10.3 Possibility of Hazardous Reactions

Thermal decomposition products may include C, CO, CO₂, H₂O, organic vapors.

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10.4 Conditions to avoid

Do not heat above flash point. Do not exceed handling and storage temperatures listed in SDS Section 7 (Handling and Storage).

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

LD50 Oral - Rat - 960 mg/kg

LC50 Inhalation - 4 h - 11 mg/l – vapor

LD50 Dermal - 1,100 mg/kg

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: Suspected of damaging the unborn child.

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

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

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

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. The product hasn't been tested. The statement derived from the properties of the individual components.

12.2 Persistence and Degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

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12.5 Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers or water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used container. Dispose of contents and container in accordance with local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 Transport information

UN Number: UN3082

UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport Hazard Class: 9

Packing Group: III

Marine Pollutant: Environmental hazardous substance

Special precautions for users: EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

SECTION 15: REGULATORY INFORMATION

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

US Federal Regulations: This product contains hazardous components 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): Not regulated.

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): Not regulated.

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):

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This product may 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

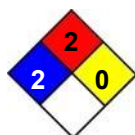
16.1 General information

Revision Date: 6-Mar-2026

Previous Revision: 24-June-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

UN – United Nations

TRI – Toxic Release Inventory

SARA – Superfunds Amendments and Reauthorization Act

SDS – Safety Data Sheet

ADR – Agreement Concerning the International Carriage of Dangerous Goods by Road.

IMDG – International Maritime Dangerous Goods

EHS – Environmentally Hazardous Substance

LD50 – Lethal Dose 50

LC50 – Lethal Concentration 50

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 information. The conditions or methods of handling, storage, use and disposal of the products are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. This SDS was prepared and is to be used for this product. If the product is used as a component in another product, this SDS information may not be applicable.