



64742-46-7 \*Hydrotreated Middle Distillate (petroleum)

&gt;70

68131-39-5 Alcohols, C12-15, Ethoxylated

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### 3. Hazards Identification

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#### 3.1 Emergency Overview

Appearance	Clear pale yellow liquid
Odor	Citrus

CAUTION!  
COMBUSTIBLE  
May be harmful if inhaled. May cause irritation of nose, throat and lungs.  
Can cause central nervous system depression.  
Causes skin irritation.  
Causes eye irritation.

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- **HMIS Rating**

HEALTH = 2 (moderate)  
FLAMMABILITY = 2 (moderate)  
REACTIVITY = 0 (minimal)  
CHRONIC = \*

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#### 3.2 Potential Health Effects

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- **Immediate Hazards**

INGESTION: Not expected to be harmful under normal conditions of use.  
If accidentally swallowed, burns or irritation to

mucous membranes, esophagus or GI tract can result.

INHALATION: May be harmful if inhaled. Liquid or vapor may cause irritation of nose, throat and lungs.  
Can cause central nervous system depression.

SKIN: Causes irritation.

EYES: Causes irritation.

Hydrotreated Middle Distillate (petroleum) 64742-46-7  
Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation.

Alcohols, C12-15, Ethoxylated 68131-39-5  
Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting and drowsiness.

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- **Delayed Hazards**

D-Limonene 5989-27-5  
May cause allergic skin reaction and photosensitivity.  
Ingestion may cause kidney damage.  
-- See Footnote C.

Hydrotreated Middle Distillate (petroleum) 64742-46-7  
Can cause lung inflammation. Pre-existing respiratory disorders may be aggravated by exposure.  
-- See Footnote C.

Footnote C: As of the date of issuance of this document, this material has not been listed by NTP, classified by IARC nor regulated by OSHA as a carcinogen.

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## 4. First Aid Measures

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.

SKIN: Flush with plenty of water. Remove contaminated clothing. Call a physician if irritation persists.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during irrigation to insure water contact with entire surface of eyes and lids. Call a physician.

## 5. Fire Fighting Measures

Autoignition Temperature Not available  
Upper/Lower Flammable Limits Not available  
Up/Lower Explosive Limits, % by Vol 6.1/0.7 %  
Flash Point 46°C (114°F)

COMBUSTIBLE.

Keep away from heat and flame.

In case of fire, use dry chemical, "alcohol" foam or CO<sub>2</sub>; water may be ineffective, but should be used to keep fire-exposed containers cool.

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## 6. Accidental Release Measures

Eliminate all ignition sources. Soak up with absorbent material and remove to a chemical disposal area. Prevent entry into natural bodies of water.

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## 7. Handling and Storage

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### 7.1 Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing.

Wash thoroughly after handling. Always use appropriate Personal Protective Equipment (PPE).

INHALATION: Avoid breathing vapor. Use with adequate ventilation.

SKIN: Avoid contact with skin and clothing.

EYES: Avoid contact with eyes.

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### 7.2 Storage

Store at room temperature.

Store in a cool, well-ventilated area.

Store in cool, dry area away from sun, heat, oxidizing materials and alkaline materials.

Keep containers tightly closed.

Keep away from heat, sparks, flame and other ignition sources.

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## 8. Exposure Controls/Personal Protection

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### 8.1 Exposure Controls

**ENGINEERING CONTROLS:** The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate.

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

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### 8.2 Personal Protection

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection. Use goggles if contact is likely. Wear impervious gloves as required to prevent skin contact.

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### 8.3 Exposure Guidelines

D-Limonene 5989-27-5  
 ACGIH TLV: NONE ESTABLISHED  
 OSHA PEL: NONE ESTABLISHED  
 Hydrotreated Middle Distillate (petroleum) 64742-46-7  
 ACGIH TLV: 5 mg/m<sup>3</sup> TWA Oil mist, mineral; 10 mg/m<sup>3</sup> STEL  
 OSHA PEL: 5 mg/m<sup>3</sup> TWA Oil mist, mineral  
 Alcohols, C12-15, Ethoxylated 68131-39-5  
 ACGIH TLV: NONE ESTABLISHED  
 OSHA PEL: NONE ESTABLISHED

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## 9. Physical and Chemical Properties

Percent Volatiles	>95
pH @ 25 C	Not applicable
Specific Gravity	0.85
Appearance	Clear pale yellow liquid
Autoignition Temperature	Not available
Boiling Point	175°C (initial)
Vapor Density (Air=1)	<1
Vapor Pressure, mm Hg @ 20 C	Not available
Evaporation Rate (Butyl Acetate=1)	1
Upper/Lower Flammable Limits	Not available
Up/Lower Explosive Limits, % by Vol	6.1/0.7 %
Flash Point	46°C (114°F)
Freezing Point	Not applicable
Melting point	Not applicable
Odor	Citrus
Solubility in Water	Emulsifiable in water

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## 10. Stability and Reactivity

Normally stable as defined in NFPA 704-12(4-3.1).

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- **Conditions to Avoid:**

Keep away from combustibles, ignition sources and oxidizers.

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- **Incompatibilities:**

Strong oxidizers.

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- **Decomposition products may include:**

Oxides of carbon.

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- **Hazardous polymerization:**

Will not occur.

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- **Other Hazards:**

None known to company.

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## 11. Toxicological Information

See Section 3 Hazards Identification information.

D-Limonene            5989-27-5

LC50: Not available

LD50: Not available

Hydrotreated Middle Distillate (petroleum)            64742-46-7

LC50: Not available

LD50: Not available

Alcohols, C12-15, Ethoxylated            68131-39-5

LC50: Not available

LD50: Not available

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## 12. Ecological Information

Not determined.

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## 13. Disposal Considerations

Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements.

Empty container: May contain explosive vapors. DO NOT cut, puncture or weld on or nearby.

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## 14. Transport Information

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### 14.1 U.S. Department of Transportation (DOT)

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

Non-Regulated.

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### 14.2 Canadian Transportation of Dangerous Goods (TDG)

Non-Regulated.

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## 15. Regulatory Information (Selected Regulations)

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### 15.1 U.S. Federal Regulations

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- **OSHA Hazard Communication Standard 29CFR1910.1200**

This material is a "health hazard" and/or a "physical hazard" as

determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

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- **SARA Title III: Section 311/312**

Fire hazard  
Immediate health hazard  
Delayed health hazard

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- **SARA Title III Section 313 and 40 CFR Part 372**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.  
None required per SARA TITLE III SECTION 313.

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- **TSCA Section 8(b) Inventory**

All reportable chemical substances are listed on the TSCA Inventory. We rely on certifications of compliance from our suppliers for chemical substances not manufactured by us.

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## 15.2 Canadian Regulations

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- **Workplace Hazardous Materials Information System (WHMIS)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

CLASS D, DIV 2B

CLASS B, DIV 3

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- **Canadian Environmental Protection Act (CEPA)**

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

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- **National Pollutant Release Inventory (NPRI)**

This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory. None required.

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## 16. Other Information

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- **User's Responsibility**

The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

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- **Disclaimer**

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not

infringe any valid United States or Canadian patent. No claim of any kind

shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller

be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

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