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[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 2  
 Revision Date 05/14/2025

### PRODUCT AND COMPANY IDENTIFICATION

Product name:	Limonene	Telephone:	1-800-338-6835
Product Number:			or 202-370-1500
Brand:	Edvotek	Fax:	202-370-1501
Supplier:	Edvotek 1121 5 <sup>th</sup> Street NW Washington, DC 20001	Emergency Phone #:	202-370-1500

### HAZARDS IDENTIFICATION

#### Emergency Overview

#### OSHA Hazards:

Flammable liquids  
 Skin irritation  
 Skin sensitization  
 Aspiration hazard  
 Acute aquatic toxicity  
 Chronic aquatic toxicity

#### Signal word

Danger

#### Pictogram



#### Hazard statements

**H226** Flammable liquid and vapour.  
**H304** May be fatal if swallowed and enters airways.  
**H315** Causes skin irritation.  
**H317** May cause an allergic skin reaction.

**H410** Very toxic to aquatic life with long lasting effects.

**Precautionary statements(s)**

**P210** Keep away from heat/sparks/open flames/hot surfaces. No smoking.

**P233** Keep container tightly closed.

**P240** Ground/bond container and receiving equipment.

**P241** Use explosion-proof electrical/ventilating/ lighting/ equipment.

**P242** Use only non-sparking tools.

**P243** Take precautionary measures against static discharge.

**P261** Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

**P264** Wash skin thoroughly after handling.

**P272** Contaminated work clothing should not be allowed out of the workplace.

**P273** Avoid release to the environment.

**P280** Wear protective gloves/ eye protection/ face protection.

**P301 + P310** IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

**P303 + P361 + P353** IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**P331** Do NOT induce vomiting.

**P333 + P313** If skin irritation or rash occurs: Get medical advice/ attention.

**P362** Take off contaminated clothing and wash before reuse.

**P370 + P378** In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**P391** Collect spillage.

**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.

**HMIS Classification:**

Health hazard: 2

Flammability: 2

Physical hazard: 0

**NFPA Rating:**

Health hazard: 2

Fire: 2

Reactivity Hazard: 0

**Potential Health Effects:**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

## COMPOSITION/INFORMATION ON INGREDIENTS

Formula: C<sub>10</sub>H<sub>16</sub>

Molecular Weight: 136.23 g/mol

Chemical name	EC No.	CAS -No	Concentration
Limonene	227-815-6	5989-54-8	< 98%

## FIRST AID MEASURES

### General information

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

### In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

### In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

## FIREFIGHTING MEASURES

### Conditions of flammability

This chemical is combustible at high temperatures.

### Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

### Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### Hazardous combustion products

Carbon oxides.

## ACCIDENTAL RELEASE MEASURES

### Personal precautions

Use personal protective equipment. Avoid breathing vapours, mist or gas. Avoid vapours accumulating to form explosive concentrations. Ensure adequate ventilation. Remove all sources of ignition.

### Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

### Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials or an electrically protected vacuum cleaner if needed and dispose into a chemical waste container.

## HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes.  
Avoid inhalation. Keep away from sources of ignition - no smoking and prevent the build up of electrostatic charge.

### Conditions for safe storage

Store at room temperature in dry and well ventilated location. Keep upright and sealed to prevent leakage.

### Incompatible Products

Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

**Eye protection**

Avoid eye contact with this material. Wear chemical safety goggles.

**Skin and body protection**

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

Form liquid  
 Colour colorless  
 Odor characteristic

**Safety data**

pH	no data available
Melting point/freezing point	-74.29 °C
Boiling point	176 - 177 °C
Flash point	50 °C
Ignition temperature	no data available
Autoignition Temperature	245 °C at 995 hPa (746 mmHg)
Lower explosion limit	0.7 %(V)
Upper explosion limit	6.1 %(V)
Vapour pressure	50 hPa (38 mmHg) at ca.50 °C
Density (water=1)	no data available
Water solubility	immiscible
Partition coefficient: n-octanol/water	log Pow: 4.2 no data available
Relative vapour Density	4.70 - (Air = 1.0)
Odour Threshold	no data available
Evaporation rate	no data available

## 10. STABILITY AND REACTIVITY

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No further relevant data available.

**Conditions to avoid**

Heat, flames, and sparks.

**Materials to avoid**

Strong oxidizing agents.

**Hazardous decomposition products**

No data available.

## TOXICOLOGICAL INFORMATION

**Acute toxicity LD/LC50 values**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Skin corrosion/irritation**

no data available

**Carcinogenicity**

No components of this product are listed by IARC, ACGIH, NTP and OSHA to humans.

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

**12. ECOLOGICAL INFORMATION****Toxicity**

no data available

**Mobility in soil**

no data available

**Persistence and degradability**

no data available

**PBT and vPvB assessment**

no data available

**Bioaccumulative potential**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS****Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

**Contaminated packaging**

Dispose of as unused product.

**14. TRANSPORT INFORMATION****DOT (US)**

Packing group 3, labeled as “Dipentene”.

**IMDG**

Packing group 3, labeled as “Dipentene”.

**IATA**

Packing group 3, labeled as “Dipentene”

## 15. REGULATORY INFORMATION

**OSHA Hazards**

No known OSHA hazards

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

No SARA Hazards.

## 16. OTHER INFORMATION

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any

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