

AERCHEM INC.
400 W. 7th Street, Suite 112
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Telephone: 812.334.9996

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Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 1/23/97
Product Name: Dipentene
Common Name: D-limonene

Chemical Formula: C10 H16
CAS No.: 5989-27-5

SECTION 2: HAZARDOUS INGREDIENTS:

Acute: Extremely dangerous in case of eye contact (irritant), of ingestion. Very dangerous in case of skin contact (irritant), of inhalation. Inflammation of eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or blistering.

SECTION 3: PHYSICAL DATA

Physical Data:

Appearance and Odor:	liquid
Boiling point:(760 mm Hg)	168°C (334.4°F)
Vapor Pressure (mmHg):	1.3 @ 20°C
Specific Gravity (Water=1):	0.85
Solubility in water:(by weight)	n/a
Melting Point:	-40°C
Volatility:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Flash point:	closed cup: 45°C (113°F)
Flammable limit:	lower: 0.7%, upper: 6.1%
Extinguishing Media:	small fire: use dry chemicals, CO2, water spray or foam. Large fire: Use water spray, fog or foam. Do not use water jet.
Unusual Fire and Explosion Hazards:	Product is combustible. Highly flammable in presence of open flames and sparks.

SECTION 5: REACTIVITY DATA

Reactivity Data:

Stable X Unstable

Conditions to Avoid:	n/a
Incompatibilities:	n/a
Hazardous Decomposition or byproducts:	Products of biodegradation are carbon oxides, which are more toxic than material.
Hazardous Polymerization:	no

SECTION 6: HEALTH HAZARD DATA

Threshold Limit Value (TLV):	n/a
Permissible Exposure Limit:	
Toxicity:	n/a
Oral LD50 (rat):	

NTP:
IARC Monographs:

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SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

First Aid:

Eyes: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin: Remove contaminated clothing quickly. Place victim under deluge shower. If on skin, gently wash with running water and non-abrasive soap. Cover irritated skin with an emollient. Seek medical attention if irritation persists.

Inhalation: Allow victim to rest in well ventilated area. Seek medical attention.

Ingestion: DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek medical attention.

Spillage: SMALL: absorb with an inert material and put spilled material in appropriate waste disposal. LARGE: Combustible material. Keep away from sources of ignition.

Disposal: Recycle to process, if possible. Consult your local or regional authorities.

SECTION 8: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Other Precautions: Keep away from heat, sources of ignition, and oxidizing agents. Keep in dry, cool place. Ground all material containing material. Don't breath gas, fumes, vapor or spray. Do not ingest. Avoid contact with eyes and skin. Wear suitable protective clothing and respiratory equipment. If ingested, seek medical attention.

SECTION 9: SPECIAL PROTECTION INFORMATION

Ventilation: Provide exhaust ventilation or other engineering controls to keep vapors below respective threshold limit value. Ensure eyewash and safety shower is proximal to work-station.

Eye Protection: Splash goggles

Protective Gloves: impervious gloves

Respiratory Protection: Vapor respirator

Other Protective Gear: lab coat

SECTION 10: TRANSPORT INFORMATION

DOT classification: DOT class 3: flammable liquid; UN2052; packing group III; packing instructions: passenger aircraft - Y611, cargo aircraft - 310

DOT pictograms: flammable liquid, class 3