

SAFETY DATA SHEET

DIETHYLPYROCARBONATE

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 905-466-3832
Chemical Name: Diethylpyrocarbonate
Synonym: N/A
Catalog Number: DEP001

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification

CLASSIFICATION:

Flammable liquids (category 4)
Acute toxicity: Category 4

PICTOGRAM:



SIGNAL WORD: WARNING

HAZARD STATEMENTS:

H227 Combustible liquid
H302 Harmful if swallowed

PRECAUTIONARY STATEMENTS:

P210 keep away from heat., hot surfaces, sparks , open flames and other ignition sources. No smoking.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ eye protection// face protection.
P301+P312+ P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P403 Store in a well-ventilated place.

SECTION 3 COMPOSITION/ INGREDIENTS

Molecular Formula: C₆H₁₀O₅
Molecular Weight: 73.09

Diethylpyrocarbonate CAS # 1609-47-8 % >97%

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water . Consult a physician.
Skin: In case of contact, flush area immediately with water. Get medical aid if irritation persists.
Inhalation: Remove victim to fresh air. If breathing becomes difficult, give oxygen. Consult a physician..
Ingestion: Wash mouth with water. Do NOT induce vomiting. Consult a physician if you feel unwell.

SECTION 5 FIRE FIGHTING MEASURES

Flammability: combustible
Flash Point: N/A
Autoignition Temperature: not determined
Extinguishing Media: Use dry sand, dry chemical or alcohol-resistant foam to extinguish..
Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions:
Ventilate the area. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing.
Methods for containment and clean up:
If safe to do so, contain further leakage. Sweep and place in a closed container. Dispose according to local regulations.

SECTION 7 HANDLING AND STORAGE

Handling: Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.
Storage Conditions: Room temperature. Keep cool and dry.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:
ACGIH, NIOSH, OSHA, none listed
Use adequate ventilation. Avoid dust generation..
Personal protective Equipment: Wear appropriate safety glasses and protective gloves/clothing. Use approved NIOSH respirator.
Engineering Measures: eye wash stations, ventilation systems, showers
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. wash hands before and after handling product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid. Clear and colorless
Odor: N/A
Odor Threshold: : no information found
Melting Point: no information found
Boiling Point: 93-94C
Specific Gravity: no information found
Vapor Density: no information found

SAFETY DATA SHEET

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Vapor pressure: no information found
Water Solubility: soluble in water (50mg/ml)
pH: 2-3
Flammability: no information found
Flash point: 69C
Ignition temperature: no information found
Autoignition temperature: no information found
Lower explosion limit: no information found
Upper explosion limit: no information found

D2B, Toxic material Causing Other Toxic Effects
May be harmful if swallowed

SECTION 16	ADDITIONAL INFORMATION
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Date Prepared: Jan 1/2025
Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.
Observe all federal, provincial and state laws concerning health, safety and pollution.

SECTION 10	STABILITY AND REACTIVITY:
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Stability: Stable at normal room temperature and pressure
Conditions to avoid: dust generation
Incompatibility: strong oxidizing agents, reducing agents.
Hazardous Decomposition Products: fumes of carbon monoxide, carbon dioxide and oxides of nitrogen.
Hazardous Polymerization: Has not been reported

SECTION 11	TOXICOLOGICAL PROPERTIES
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Exposure Limits:

ORL-RAT, LD50= 850MG/KG
ORL-MOUSE, LD50= 47MG/KG

Epidemiology: No data available
Teratogenicity: No data available
Reproductive Effects: No data available
Neurotoxicity: No data available
Mutagenicity: No data available
Carcinogenicity: not listed by ACGIH, IARC, NTP, or CA

SECTION 12	ECOLOGICAL INFORMATION
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Ecotoxicity:
No information found

SECTION 13	DISPOSAL CONSIDERATION
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Waste Disposal: Care should be exercised when burning in chemical incinerator as this substance is combustible.. Observe all Federal, provincial and local regulations.

SECTION 14	TRANSPORT INFORMATION
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Shipping Information:

DOT (US):
Not regulated
IMDG
Not regulated
IATA:
Not regulated

SECTION 15	REGULATORY INFORMATION
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Canada:
WHMIS: