



Section 1. Product and Company Identification

Product Name D-panthenyl ethyl ether
CAS Number 667-83-4

Parchem - fine & specialty chemicals

415 Huguenot Street
New Rochelle, NY 10801

(914) 654-6800 **(914) 654-6899**

parchem.com **info@parchem.com**

EMERGENCY RESPONSE NUMBER
CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Not a hazardous substance or mixture

Hazard and precautionary statements

Hazard Statement: Not applicable.

Precautionary statement: Not applicable.

Other hazards: Not available.

Section 3. Composition / Information on Ingredients

Common Name D-panthenol ethyl ether
Synonym(s) (+)-N-(3-ethoxypropyl)-2,4-dihydroxy-3,3-dimethylbutyramide
Formula C₁₁H₂₃NO₄
CAS Number 667-83-4

COMPONENT	CAS NUMBER	CONCENTRATION
(+)-N-(3-ethoxypropyl)-2,4-dihydroxy-3,3-dimethylbutyramide	667-83-4	100%

Section 4. First Aid Measures

Description of first aid measures: In all cases of doubt, or when symptoms persist, seek medical attention.

In case of inhalation: Remove the casualty to fresh air and keep him/her calm. In the event of symptoms get medical attention.

In case of skin contact: Remove contaminated clothes, wash affected skin with water and soap. Do not use any solvents; get medical aid if irritation develops and persists.

In case of eye contact: Rinse immediately with plenty of water for at least 10 minutes. Open eyes forcibly, and consult a physician.



In case of ingestion: Do not induce vomiting. Rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing media: Use water spray jet, dry powder, foam, carbon dioxide.

Unsuitable extinguishing media: Not available.

Special hazards arising from the substance or mixture: Formation of toxic and corrosive combustion gases (ammonia, nitrogen oxide) possible.

Advice for firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Provide adequate ventilation. Avoid inhalation of vapors, mist or fume. Avoid skin and eye contact.

For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if vapors, mist or fume is generated.

Environmental Precautions: Try to prevent the material from entering drains or water courses.

Methods for Containment and Cleaning up: Collect spills with inert adsorbent. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Protective measures: Good hygienic practices should be observed. Avoid contact with skin and eyes. Avoid breathing vapors, mist or fumes. If exposed to high vapors, mist or fume concentration, leave area immediately. Work clothes should be washed separately at the end of each work day away from sources of ignition. Ensure good ventilation/exhaustion at the workplace.

Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities: Store in a cool dry well-ventilated area away from incompatible substances; Protected from humidity for quality reasons. Store at room temperature.

Section 8. Exposure Controls / Personal Protection

Control parameters

Occupational exposure limits: Not available.

Additional exposure limits under the conditions of use: Not available.

DNEL/DMEL and PNEC Values: Not available.

Exposure controls

Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If user operations generate vapors, mist or fume, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses and chemical goggles if splashing is possible.

Hand protection: Wear appropriate protective gloves.

Body protection: Wear appropriate protective clothing.

Respiratory protection: Respiratory protection not necessary during normal operations.

Thermal hazards: Wear suitable protective clothing to prevent heat.

Environmental exposure controls: Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9. Physical and Chemical Properties

Appearance: Not available

Color: Not available

Odor: Not available

Odor threshold: Not available

pH: Not available

Melting point/range (°C): Not available

Boiling point/range (°C): Not available

Flash point (°C): Not available

Evaporation rate: Not available

Flammability limit - lower (%): Not available

Flammability (solid, gas): Not available

Ignition temperature (°C): Not available

Upper/lower flammability/explosive limits: Not available

Vapor pressure (25°C): Not available

Vapor density: Not available

Density: Not available

Bulk density (kg/m³): Not available

Water solubility (g/l): Not available

n-Octanol/Water (log P_{o/w}): Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity, dynamic (mPa.s): Not available

Explosive properties: Not available

Oxidizing properties: Not available

Molecular Formula: C₁₁H₂₃NO₄

Molecular Weight: 233.3

Other information

Fat solubility(solvent-oil to be specified) etc: Not available

Surface tension: Not available

Dissociation constant in water (pKa): Not available

Oxidation-reduction Potential: Not available

Specific gravity: Not available

Section 10. Stability and Reactivity

Reactivity: The substance is stable under normal storage and handling conditions.

Chemical stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: Incompatible materials. Moisture, heat.

Incompatible materials: Strong bases, Strong acids.

Hazardous decomposition products: Formation of toxic and corrosive combustion gases (ammonia, nitrogen oxide) possible.

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity: Not available

LD50 (Oral, Rat): Not available

LD50 (Dermal, Rat): Not available

LC50 (inhalation, Rat): Not available

Skin corrosion/Irritation: Not available

Serious eye damage/irritation: Not available

Respiratory or skin sensitization: Not available

Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

STOT- single exposure: Not available

STOT-repeated exposure: Not available

Section 12. Ecological Information

Toxicity

Acute Toxicity		Time	Species	Method	Evaluation	Remarks
LC50	Not available	96h	Fish	OECD 203	N/A	N/A
EC50	Not available	48h	Daphnia	OECD 202	N/A	N/A
EC50	Not available	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available



Bioaccumulative potential: Not available
Mobility in soil: Not available
Results of PBT & vPvB assessment: Not available
Other adverse effects: Not available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Land transport (ADR/RID): Not regulated
Sea transport (IMDG): Not regulated
Air transport (ICAO/IATA): Not regulated
Transport in bulk according to Annex II of MARPOL and the IBC Code: Not regulated

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Relevant information regarding authorization: Not applicable.
Relevant information regarding restriction: Not applicable.
Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individual.
Other National regulations: Not applicable.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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