



Section 1. Product and Company Identification

Product Name Epothilone D
CAS Number 189453-10-9

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Section 2. Hazards Identification

Classification of the substance or mixture

GHS Hazard Phrases: Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS.

GHS Label Elements

Pictograms: N/A

Signal word: None

Hazard and precautionary statements

N/A

Section 3. Composition / Information on Ingredients

Common Name Epothilone D
Synonym(s) (4S,7R,8S,9S, 13Z, 16S)-4,8-dihydroxy-5,5,7,9, 13-pentamethyl-16-[(1 E)-1-methyl-2-(2-methyl-4-hiazolyl)ethenyl]-oxacyclohexadec-13-ene-2,6-dione
CAS Number 189453-10-9

COMPONENT	CAS NUMBER	CONCENTRATION
Epothilone D	189453-10-9	100.0%

Section 4. First Aid Measures

Description of First-Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.



Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

Section 5. Firefighting Measures

Suitable Extinguishing Media: Use alcohol-resistant foam , carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

Flammable Properties and Hazards: No data available.

Flash Point: No data available

Explosive Limits

LEL: No Data

UEL: No Data

Auto-ignition Point: No data available

Firefighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

Protective Precautions, Protective Equipment, and Emergency Procedures: Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

Environmental Precautions: Take steps to avoid release into the environment, if safe to do so.

Methods and Material for Containment and Cleaning Up: Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

Section 7. Handling and Storage

Precautions to be taken in Handling: Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged or repeated exposure.

Precautions to be taken in Storing: Keep container tightly closed. Store in accordance with information listed on the product insert.



Section 8. Exposure Controls / Personal Protection

Exposure Parameters

Britain EH40: No data.

France VL: No data.

Europe: No data.

OSHA TWA: No data.

ACGIH TWA: No data.

Other Limits: No data.

Exposure Controls

Engineering Controls (Ventilation etc.): Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal Protection Equipment

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment (Specify Type): NIOSH approved respirator, as conditions warrant.

Work/Hygienic/Maintenance Practices: Do not take internally.

Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling.

Section 9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical States: Solid.

Appearance and Odor: White to off-white solid

Melting Point: No data.

Boiling Point: No data.

Flash Point: No data.

Evaporation Rate: No data.

Flammability (solid, gas): No data available

Explosive Limits

LEL: No data.

UEL: No data.

Vapor Pressure (vs. Air or mmHg): No data.

Vapor Density (vs. Air = 1): No data.

Specific Gravity (Water= 1): No data.

Solubility in Water: No data.

Solubility Notes: ~100mM in EtOH & DMSO

Auto-ignition Point: No data.



Other Information

Percent Volatile: No data.

Molecular Formula: $C_{27}H_{41}NO_5S$

Molecular Weight: 491.7

Section 10. Stability and Reactivity

Reactivity: No data available.

Stability: Stable

Stability Notes: Stable if stored in accordance with information listed on the product insert.

Polymerization: Will not occur

Conditions To Avoid: No data available.

Incompatibility - Materials to Avoid: Strong oxidizing agents

Hazardous Decomposition or Byproducts: Carbon dioxide; Carbon monoxide; Hydrogen sulfide gas; Nitrogen oxides

Section 11. Toxicological Information

Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied.

Epothilone D - Toxicity Data: Intraperitoneal TDLO (mouse): 100 mg/kg/40 (intermittent);

Chronic Toxicological Effects: Epothilone D - Investigated as a drug. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Epothilone D RTECS Number: RN9787500

NTP: N/A

IARC: N/A

ACGIH: N/A

OSHA: N/A

Section 12. Ecological Information

Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Results of PBT and vPvB assessment: No data available

Other adverse effects: No data 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 (US DOT): Not dangerous goods.

Land Transport (European ADR/RID): Not dangerous goods.

Air Transport (ICAO/IATA): Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

S302 (EHS): No

E304 RQ: No

S313 (TRI): No

Other US EPA or State Lists: CAA HAP, ODC: No; CWA NPDES: No; TSCA: No; CA Prop. 65: No

Regulatory Information Statement: This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.

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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