

D-myo-Inositol-1,3,4-triphosphate, sodium salt: sc-223919



The Power to Question

MATERIAL SAFETY DATA SHEET

SECTION 1. Chemical Product and Company Identification

Product Name: D-myo-Inositol-1,3,4-triphosphate, sodium salt
Product Number: sc-223919
Synonyms: 1,3,4-IP3 (sodium salt); Ins(1,3,4)-P3 (sodium salt);
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

SECTION 2. Composition/Information on Ingredients

Hazardous Components (Specific Chemical Identity/Common Name)

Name: D-myo-Inositol-1,3,4-triphosphate (sodium salt)

CAS #: –

OSHA PEL: No data. **ACGIH TLV:** No data.

SECTION 3. Hazards Identification

Emergency Overview

No data available.

Route(s) of Entry: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes , Other: Injection

Potential Health Effects (Acute and Chronic): Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. The toxicological properties of this compound have not been fully evaluated.

Carcinogenicity: NTP? No , IARC Monographs? No , OSHA Regulated? No

Carcinogenicity/Other Information: No data available.

Signs and Symptoms Of Exposure: Irritating to the skin, eyes, nose, throat, and respiratory tract.

SECTION 4. First Aid Measures

Emergency and First Aid Procedures:

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

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.

Eyes: Hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.

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

Note to Physician: No data available.

Medical Conditions Generally Aggravated By Exposure: No data available.

SECTION 5. Fire Fighting Measures

Flash Pt: No data.

Method Used: See note below

Explosive Limits: LEL: No data. UEL: No data.

Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.

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

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

SECTION 6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Vacuum or sweep up material and place in disposal container. Avoid raising dust. After removal, ventilate contaminated area and flush thoroughly with water.

SECTION 7. Handling and Storage

Hazard Label Information: Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation. Wash thoroughly after handling.

Precautions To Be Taken in Handling: Avoid contact with eyes, skin, and clothing. Do not reuse this container. Use with adequate ventilation. Wash thoroughly after handling.

Precautions To Be Taken in Storing: Store at -20° C.

Other Precautions: No data available.

Work/Hygienic/Maintenance Practices: Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Wash thoroughly after handling.

SECTION 8. Exposure Controls/Personal Protection

Protective Equipment Summary – Hazard Label Information: Eye wash station in work area. Lab coat. Latex disposable gloves. Safety glasses. Safety shower in work area. Vent Hood.

Respiratory Equipment (Specify Type): No data available.

Eye Protection: Safety glasses

Protective Gloves: Latex disposable gloves

Other Protective Clothing: Lab coat

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

SECTION 9. Physical and Chemical Properties

Physical State: Solid

Melting Point: No data.

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

Evaporation Rate (vs Butyl Acetate=1): No data.

Solubility in Water: 50 mg/ml* at 25.0 C

Percent Volatile: No data.

Viscosity: No data.

Molecular Formula: C₆H₁₂O₁₅P₃ • 3Na

Boiling Point: No data.

Specific Gravity (Water = 1): No data.

Density: No data.

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

Other Solubility Notes: *PBS pH 7.2

Saturated Vapor Concentration: No data.

pH: No data.

Molecular Weight: 486.04

SECTION 10. Stability and Reactivity

Stability: Stable

Conditions To Avoid – Instability: No data available.

Incompatibility – Materials To Avoid: No data available.

Hazardous Decomposition Or Byproducts: No data available.

Hazardous Polymerization: Will not occur

Conditions To Avoid – Hazardous Polymerization: No data available.

SECTION 11. Toxicological Information

Chronic Toxicological Effects: The toxicological effects of this compound have not been thoroughly studied.

SECTION 12. Ecological Information

Runoff from fire control or dilution water may cause pollution.

SECTION 13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, state and federal regulations.

SECTION 14. Transport Information

DOT Proper Shipping Name: No data available.

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

SECTION 15. Regulatory Information

Regulatory information on this product is not available.

SECTION 16. Other Information

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

7/12/2011