

D-myo-Inositol-1,3-diphosphate (sodium salt): sc-205284



The Power to Question

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name: D-myo-Inositol-1,3-diphosphate (sodium salt)
Catalog Number: sc-205284
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800

Chemical Family: PAFs & Polar Lipids
CAS Number: 208584-52-5
Synonyms: D-myo-inositol-1,3-bis(dihydrogen phosphate), disodium salt; Ins(1,3)-P2 (sodium salt); 1,3-IP2 (sodium salt);

Emergency:
ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255
(1-800-CHEMCALL) or call +613 9573 3112

2. Composition/Information on Ingredients

| Hazardous Components (Chemical Name) | CAS # | Concentration | OSHA PEL | ACGIH TLV | Other Limits |
|-------------------------------------------------|-------------|---------------|----------|-----------|--------------|
| 1. D-myo-Inositol-1,3-diphosphate (sodium salt) | 208584-52-5 | 100.0 % | No data. | No data. | No data. |

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.
Signs and Symptoms Of Exposure: No data available.

4. First Aid Measures

Emergency and First Aid Procedures: If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
If swallowed, 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.
In case of contact with 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.
In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

5. Fire Fighting Measures

Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.
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.
Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.
Unsuitable Extinguishing Media: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Wear a NIOSH/MSHA approved self-contained breathing apparatus and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
Vacuum or sweep up material and place in disposal container.
Avoid raising dust.
After removal, ventilate contaminated area and flush thoroughly with water.

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 breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Do not reuse this container. Use with adequate ventilation. Wash thoroughly after handling. |
| Precautions To Be Taken in Storing: | Store at -20° C. |

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. |
| 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. |

9. Physical and Chemical Properties

| | |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Physical States: | <input type="checkbox"/> Gas <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid |
| Melting Point: | No data. |
| Boiling Point: | No data. |
| Autoignition Pt: | No data. |
| Flash Pt: | No data. Method: |
| Explosive Limits: | LEL: No data. UEL: No data. |
| Specific Gravity (Water = 1): | No data. |
| Vapor Pressure (vs. Air or mm Hg): | No data. |
| Vapor Density (vs. Air = 1): | No data. |
| Evaporation Rate (vs Butyl Acetate=1): | No data. |
| Solubility in Water: | 1 mg/ml* at 25.0 C |
| Other Solubility Notes: | *Not stable in aqueous solutions for more than 24h., not soluble in organic solvents |
| Percent Volatile: | No data. |
| Corrosion Rate: | No data. |
| Formula: | C6H12Na2O12P2 |
| Molecular Weight: | 384.1 |
| pH: | No data. |
| Appearance and Odor: | A lyophilized powder |

10. Stability and Reactivity

| | |
|--------------------------------------------------------|----------------------------------------------------------------------------------------|
| Stability: | Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/> |
| Conditions To Avoid - Instability: | No data available. |
| Incompatibility - Materials To Avoid: | No data available. |
| Hazardous Decomposition Or Byproducts: | No data available. |
| Hazardous Polymerization: | Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/> |
| Conditions To Avoid - Hazardous Polymerization: | No data available. |

11. Toxicological Information

Toxicological Information: The toxicological effects of this compound have not been thoroughly studied.
Carcinogenicity/Other Information: No data available.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

Ecological Information: Runoff from fire control or dilution water may cause pollution.

13. Disposal Considerations

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

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name No data available.

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

15. Regulatory Information

US EPA SARA Title III

| Hazardous Components (Chemical Name) | CAS # | Sec.302 (EHS) | Sec.304 RQ | Sec.313 (TRI) | Sec.110 |
|-------------------------------------------------|-------------|---------------|------------|---------------|---------|
| 1. D-myo-Inositol-1,3-diphosphate (sodium salt) | 208584-52-5 | No | No | No | No |

US EPA CAA, CWA, TSCA

| Hazardous Components (Chemical Name) | CAS # | EPA CAA | EPA CWA NPDES | EPA TSCA | CA PROP 65 |
|-------------------------------------------------|-------------|---------|---------------|----------|------------|
| 1. D-myo-Inositol-1,3-diphosphate (sodium salt) | 208584-52-5 | No | No | No | No |

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.