

# Biotin HPDP: sc-207359



The Power to Question

## MATERIAL SAFETY DATA SHEET

### Section 1

|                      |  |                  |   |
|----------------------|--|------------------|---|
| <i>Chemical Name</i> | <b>Biotin HPDP</b>   | <i>Supplier</i>  | <b>Santa Cruz Biotechnology, Inc.<br/>2145 Delaware Avenue<br/>Santa Cruz, California 95060<br/>800.457.3801 or 831.457.3800</b>                          |
| <i>Catalog Nbr</i>   | <b>sc-207359</b>   |                  |   |
| <i>Cas Reg. No</i>   | <b>129179-83-5</b>   |                  |   |
| <i>Synonyms</i>      | <b>N-[6-(Biotinamido)hexyl]-3'-(2'-pyridyldithio) propionamide</b> | <i>Emergency</i> | <b>ChemWatch<br/>Within the US &amp; Canada: 877-715-9305<br/>Outside the US &amp; Canada: +800 2436 2255<br/>(1-800-CHEMCALL) or call +613 9573 3112</b> |

### Section 2 - Hazardous Ingredients/Identity Information

**Harmful. Toxic. Irritating to eyes, respiratory system and skin. Combustible.**

### Section 3 - Physical/Chemical Characteristics

|                            |   |   |                          |
|----------------------------|---|---|--------------------------|
| <i>Boiling Point</i>       | <b>N/A</b>  | <i>Appearance and Odor</i>                | <b>Pale Yellow Solid</b> |
| <i>Vapor Pressure</i>      | <b>N/A</b>  | <i>Specific Gravity(H<sub>2</sub>O=1)</i> | <b>N/A</b>               |
| <i>Vapor Density</i>       | <b>N/A</b>  | <i>Melting Point</i>                      | <b>160-163°C</b>         |
| <i>Solubility in Water</i> | <b>N/A</b>  | <i>Evaporation Rate (Butyl Acetate=1)</i> | <b>N/A</b>               |
| <i>MF</i>                  | <b>C<sub>124</sub>H<sub>37</sub>N<sub>5</sub>O<sub>3</sub>S<sub>3</sub></b> | <i>MW</i>                                 | <b>539.78</b>            |

### Section 4 - Reactive Data

|  |   |   |   |
|--|---|---|---|
| <i>Stability</i>                             | <b>stable</b>   | <i>Incompatibility (Materials to Avoid)</i> | <b>strong oxidizing agents, strong acids, strong bases. reactive with strong nucleophiles such as mercaptans. Decomposes with heat.</b> |
| <i>Conditions to Avoid</i>                   | <b>all contact; prolonged or repeated use; contact with eyes.</b>   |   |   |
| <i>Hazardous Decomposition or Byproducts</i> | <b>toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, possible NH<sub>3</sub>.</b> | <i>Hazardous Polymerization</i>             | <b>will not occur</b>   |

### Section 5 - Control Measures

|                                |                                       |                         |                                   |
|--------------------------------|---------------------------------------|-------------------------|-----------------------------------|
| <i>Respiratory Protection</i>  | <b>Niosh/Msha approved respirator</b> | <i>Ventilation</i>      | <b>Hood</b>                       |
| <i>Protective Gloves Other</i> | <b>chemical resistant gloves</b>      | <i>Eye Protection</i>   | <b>chemical safety goggles</b>    |
| <i>Protective Clothing</i>     | <b>lab coat or apron</b>              | <i>Other Protection</i> | <b>safety shower and eye bath</b> |

### Section 6 - First Aid Measures

|                   |   |
|-------------------|---|
| <i>Inhalation</i> | <b>If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen in a non-flammable area.</b> |
| <i>Skin</i>       | <b>In case of contact, immediately wash skin with copious amounts of soap and water for 15 minutes. Wash contaminated clothing before reuse.</b>      |
| <i>Ingestion</i>  | <b>If swallowed, rinse mouth out with water provided the person is conscious. Call a Physician.</b>   |
| <i>Eyes</i>       | <b>In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes, separating the eyelids with fingers.</b>         |

### Section 7 - Health Hazard Data

*Health Hazards (Acute and Chronic)*

**Harmful if inhaled, ingestion or skin absorption. Causes skin irritation. Dust is irritating to the eyes, mucous membranes & upper respiratory tract. May cause allergic respiratory & skin reactions.**

The toxicological properties have not been thoroughly investigated. Exercise due care.

**Skin Contact:** May Causes skin irritation.

**Skin Absorption:** May be harmful if absorbed through the skin.

**Eye Contact:** Causes eye irritation.

**Inhalation:** Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

**Ingestion:** May be harmful if swallowed.

This compounds reacts specifically with thiol groups.

*Medical Conditions  
Generally Aggravated by  
Exposure*

Dust is irritating to the eyes, mucous membranes & upper respiratory tract. May cause allergic respiratory & skin reactions.

## Section 8 - Precautions for Safe Handling and Use

*Steps to be Taken in  
Case Material is  
Released or Spilled*

Ventilate area and wash spill site after material pickup is complete. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Evacuate the area.

*Waste Disposal Method*

dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

*Precautions to Be  
Taken in Handling  
and Storage*

Wear appropriate chemical resistant gloves & safety glasses. Use only in chemical fume hood. For short term use (1-3mon.), store desiccated. For long term storage (3-12 mon.), store desiccated & refridgerate (-20 to 0°C). Avoid exposure to sunlight.

## Section 9 - Fire and Explosion Hazard Data

*Extinguishing Media*

water spray.  
carbon dioxide, dry chemical powder or appropriate foam.

*Special Fire Fighting  
Procedures*

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

*Unusual Fire and  
Explosion Hazards*

emits toxic fumes under fire conditions.

## Section 10 - Transportation Information and regulatory information

**DOT**

**Proper Shipping Name:** None

**Non-Hazardous for Transport:** This substance is considered to be non-hazardous for transport.

**IATA**

**Non-Hazardous for Air Transport:** Non-hazardous for air transport.

*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.*

11/18/2010