

4'-Deoxyphlorizin: sc-206951



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1

Chemical Name 4'-Deoxyphlorizin

Synonyms 1-[2-(β -D-Glucopyranosyloxy)-6-hydroxyphenyl]-3-(4-hydroxyphenyl)-1-propanone;

Cas Reg. No 4319-68-0

Catalogue # sc-206951

Supplier Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 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 - Hazardous Ingredients/Identity Information

TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL, PHYSICAL AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. EXERCISE DUE CARE.

Section 3 - Physical/Chemical Characteristics

| | | | |
|----------------------------|--|---|-----------------|
| <i>Boiling Point</i> | N/A | <i>Appearance and Odor</i> | Off White Solid |
| <i>Vapor Pressure</i> | N/A | <i>Specific Gravity(H₂O=1)</i> | N/A |
| <i>Vapor Density</i> | N/A | <i>Melting Point</i> | 134-136°C |
| <i>Solubility in Water</i> | yes | <i>Evaporation Rate (Butyl Acetate=1)</i> | N/A |
| <i>Formula</i> | C ₂₁ H ₂₄ O ₉ | | |
| <i>Weight</i> | 420.40 | | |

Section 4 - Reactive Data

| | | | |
|--|--|---|-------------------------|
| <i>Stability</i> | Stable | <i>Incompatability (Materials to Avoid)</i> | Strong Oxidizing Agents |
| <i>Conditions to Avoid</i> | strong oxidizers | | |
| <i>Hazardous Decomposition or Byproducts</i> | toxic fumes of Carbon Monoxide and Carbon Dioxide, | <i>Hazardous Polymerization</i> | Will not occur |

Section 5 - Control Measures

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

Section 6 - First Aid Measures

| | |
|-------------------|---|
| <i>Inhalation</i> | Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen. Seek medical attention. |
| <i>Skin</i> | Rinse with copious amounts of water for 15 min, remove contaminated clothing and shoes. |
| <i>Ingestion</i> | Rinse mouth out with water provided the person is conscious. Call a physician. |
| <i>Eyes</i> | Flush eyes with copious amounts of water for atleast 15 min, separating the eyelids with fingers. |

Section 7 - Health Hazard Data

Health Hazards (Acute and Chronic)

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

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

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

Eye Contact: May cause eye irritation.

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

Ingestion: May be harmful if swallowed.

Inhibitor of glucose transport system.

Medical Conditions Generally Aggravated by Exposure **To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated**

Section 8 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled **Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.**

Waste Disposal Method **This combustible material may be burned 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 **Keep container closed, keep away from heat and open flame, store under nitrogen, refrigerate.**

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.

5/4/2011