

Diphenyleneiodonium Sulfate: sc-207583



The Power to Question

Material Safety Data Sheet

Section 1 - General Information

Chemical Name:

Diphenyleneiodonium Sulphate

CAS Reg. Number:

4510-83-2

Catalog Number:

sc-207583

Company:

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

Suspect carcinogenLight sensitive

Section 3 - Physical/Chemical Characteristics

Boiling Point:

No Data

Appearance and Odor:

pale yellow solid

Vapor Pressure:

No Data

Specific Gravity(H₂O=1):

No Data

Solubility in Water:

DMSO & H₂O

Melting Point:

No Data

Evaporation Rate (ButylAcetate=1):

No Data

Vapor Density:

No Data

Section 4 - Reactive Data

Stability:

stable in freezer

Incompatibility (Materials to Avoid):

N/A

Conditions to Avoid:

N/A

Hazardous Decomposition or Byproducts:

Suspect Carcinogens, toxic fumes of carbon dioxide, carbon monoxide, sulfur oxides

Hazardous Polymerization:

will not occur

Protective Gloves:

chemical resistant gloves

Eye Protection:

appropriate safety glasses

Other Protective Clothing:

lab coat or apron

Other Protection:

Safety shower and eye wash

Section 6 - First Aid Measures**Inhalation:**

remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen.

Skin:

rinse with copious amounts of water for 15 min, remove contaminated clothing and shoes

Ingestion:

rinse mouth out with water provided the person is conscious. seek medical attention

Eyes:

flush eyes with copious amounts of water separating the eyelids with fingers

Section 7 - Health Hazard Data**Health Hazards (Acute and Chronic):**

Harmful by eye or skin contact, inhalation or ingestion. Binds strongly to flavoproteins and thus inhibits NO synthase, NADG reductase and NADPH oxidase.

Medical Conditions Generally Aggravated by Exposure:

No Data

Section 8 - Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled:**

evacuate area. Sweep area wearing protective clothing. Dispose of material according to local, state and federal regulations.

Waste Disposal Method:

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:

store in freezer at -20° C. Avoid contact and inhalation. Restrict handling to qualified personnel only.

Section 9 - Fire and Explosion Hazard Data**Extinguishing Media:**

Water; Carbon dioxide; dry powder or foam

Special Fire Fighting Procedures:

Use water spray to cool fire - exposed containers and structures. Use water spray to disperse any vapors; reignition is always a potential. Use self-contained breathing apparatus as described above.

Unusual Fire and Explosion Hazards:

Toxic fumes are emitted under fire conditions consisting of carbon monoxide, carbon dioxide, and sulfur dioxide.

Section 10 - Transportation Information and regulatory 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.