

(S)-Sulforaphane: sc-208377



The Power to Question

MATERIAL SAFETY DATA SHEET

Section I- Product Identification

Product Name: (S)-Sulforaphane
Product Number: sc-208377
Synonyms: 1-Isothiocyano-4-[(S)-methylsulfanyl]butane; (+)-Sulforaphane; D-Sulforaphane;
Chem. Name: D-Sulforaphane
CAS Number: 155320-20-0
Mol. Formula: C₆H₁₁NOS₂
Mol. Weight: 177.29
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 II- Health Hazard

LD50: Not Available
Classification: Not Available
Target Organs: Not Available
Route of Exposure: May be harmful by inhalation, ingestion or skin absorption.
Effect of Over Exposure: The chemical, physical and toxicological properties have not been thoroughly investigated.
Other Effects: Not Available

Section III- Fire and Explosion

Flash Point: Not Available
Extinguishing Media: Water spray, dry chemical powder, carbon dioxide, polymer foam.
Firefighting Procedures: Wear self-contained breathing apparatus and protective clothing.
Unusual Fire Hazards: May emit toxic fumes.

Section IV- First Aid

Eye Contact: Remove contact lenses. Flush with water for at least 15 minutes and seek medical attention immediately.
Skin Contact: Wash with soap and water for 15 minutes and seek medical attention immediately. Wash contaminated clothing before use.
Inhalation: Remove from exposure and provide respiration support if necessary. Seek medical attention.
Ingestion: -

Section V- Physical Data

Physical State: Solid
Color: Not Available
Boiling Point: Not Available
Melting Point: Not Available
Volatility: Not Available
Density: Not Available
Solubility: Soluble in water, ethanol, DMSO, or chloroform

Section VI- Chemical Hazard

Stability: Stable

Materials To Avoid: Keep Away from strong bases and strong acids.

Section VII- Handling and Storage

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

Other Remarks: None

Storage Conditions: Store in a tightly closed container at -20° C in a dry place.

Handling: Wear gloves, goggles, and lab coat when handling this material. Use in a well ventilated area. Use only in a chemical fume hood. Wash thoroughly after handling material.

Section VIII- Spillage

Cleanup Procedures: Use appropriate tools to collect material and dispose of in waste container. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

Waste Disposal: Dispose of material according to all federal, state and local regulations.

Section IX- 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.

11/8/2010