

Substance P: sc-201169



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 – Chemical Product and Company Identification

Product Name: Substance P
Catalog Number: sc-201169
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 2- Composition / Information on Ingredients

Substance / Preparation: Substance
Ingredient Name Substance P
CAS No. 33507-63-0
SARA 313 No
Formula C63H98N18O13S
Molecular Weight 1347.63 AMU

Section 3- Hazards Identification

HMIS Rating

Health 3
Flammability 0
Reactivity 0

NFPA Rating

Health 3
Flammability 0
Reactivity 0

For additional information on toxicity, please refer to Section 11.

Section 4- First Aid Measures

Oral Exposure If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Dermal Exposure In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Eye Exposure In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5- Fire Fighting Measures

Flash Point Not available

Autoignition Temp Not available

Flammability Not available

Extinguishing Media Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

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

Specific Hazard(s) Emits toxic fumes under fire conditions

Section 6- Accidental Release Measures

Procedure to Be Followed in Case of Leak or Spill Evacuate area

Procedure(s) of Personal Precaution(s) Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves

Methods for Cleaning Up Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7- Handling and Storage

Handling Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage Store at -20° C

Section 8- Exposure Controls/Personal Protection Equipment

Engineering Controls Mechanical exhaust required

Personal Protective Equipment

Respiratory Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator.

Other Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

General Hygiene Measures Wash thoroughly after handling

Section 9- Physical and Chemical Properties

Physical State	Crystalline powder	pH	Not available
BP/BP Range	Not available	MP/MP Range	Not available
Freezing Point	Not available	Vapor Pressure	Not available
Vapor Density	Not available	Saturated Vapor Conc.	Not available
SG/Density	Not available	Bulk Density	Not available
Odor Threshold	Not available	Volatile%	Not available
VOC Content	Not available	Water Content	Not available
Solvent Content	Not available	Evaporation Rate	Not available
Viscosity	Not available	Surface Tension	Not available
Partition Coefficient	Not available	Decomposition Temp.	Not available
Flash Point	Not available	Explosion Limits	Not available
Flammability	Not available	Autoignition Temp	Not available
Refractive Index	Not available	Optical Rotation	Not available
Miscellaneous Data	Not available	Solubility	Soluble in water (1mg/ml)

Section 10- Stability and Reactivity

Stability Stable

Hazardous Decomposition Products Carbon monoxide, carbon dioxide, nitrogen oxides.

Section 11- Toxicological Information

Route of Exposure

Skin Contact May cause skin irritation

Skin Absorption May be harmful if absorbed through the skin

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

Ingestion May be harmful if swallowed

Conditions Aggravated by Exposure The toxicological properties have not been thoroughly investigated.

Section 12- Ecological Information

Eco-toxicity

Toxicity of The Products of Biodegradation

The product itself and its products of degradation are not toxic.

Section 13- Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14- Transport 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

Section 15- Regulatory Information

United States Regulatory information

SARA Listed No

Canada Regulatory Information

WHMIS Classification This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL No

NDSL No

Section 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.

12/28/2010