Silica, fumed: sc-258155



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Silica, fumed Product Number: sc-258155

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

2. HAZARDS IDENTIFICATION

Emergency Overvi Target Organs	ew			
Lungs, Eyes				
WHMIS Classification				
Not WHMIS controlled.				
Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).				
HMIS Classification				
Health hazard: 0				
Flammability: 0				
Physical hazards: 0				
Potential Health Effects				
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.			
Skin	May be harmful if absorbed through skin. May cause skin irritation.			
Eyes	May cause eye irritation.			
Ingestion	May be harmful if swallowed.			

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms	: Silicic anhydride			
	Silicon dioxide amorphous			
	Silica			
	Silicon dioxide			
Formula	: O2Si			
Molecular Weight	: 60.08			
CAS-No.		EC-No.	Index-No.	Concentration
Pyrogenic colloid	lal silica			
112945-52-5		-	-	-

112945-52-5

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIREFIGHTING MEASURES

Conditions of flammability Not flammable or combustible. Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Special protective equipment for firefighters Wear self contained breathing apparatus for fire fighting if necessary. Hazardous combustion products Hazardous decomposition products formed under fire conditions - silicon oxides Explosion data - sensitivity to mechanical impact no data available Explosion data - sensitivity to static discharge no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental precautions
Do not let product enter drains.
Methods and materials for containment and cleaning up
Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Keep in a dry place. Store at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

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

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

General industrial hygiene practice.

Specific engineering controls

Use mechanical exhaust or laboratory fume hood to avoid exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Melting point Flash point Auto-ignition temperature Upper explosion limit Density Relative vapor density Odor Threshold Partition coefficient: n-octanol/water powder > 1,600 °C not applicable no data available 2.3 g/mL at 25 °C no data available no data available no data available pH at 40 g/l Boiling point at 1,013 hPa Ignition temperature Lower explosion limit Vapor pressure Water solubility Odor Evaporation rate 3.6 - 4.3 2,200 °C no data available no data available insoluble no data available no data available no data available

10. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions. Possibility of hazardous reactions no data available Conditions to avoid Exposure to moisture may affect product quality. Materials to avoid Strong acids, Strong bases, Hydrogen fluoride, Oxidizing agents, Ammonia, Oxygen difluoride, Chlorine trifluoride Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - silicon oxides Other decomposition products no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50 no data available Inhalation LC50 no data available Dermal LD50 no data available Other information on acute toxicity no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

Genotoxicity in vitro - rat - Lungs

Body fluid assay

Genotoxicity in vivo - rat - Intratracheal

Unscheduled DNA synthesis

Carcinogenicity

Carcinogenicity - rat - Inhalation

Tumorigenic:Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration:Tumors.

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP,

or EPA classification.

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Pyrogenic colloidal silica)
 ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity

no data available **Teratogenicity** no data available Specific target organ toxicity - single exposure (Globally Harmonized System) no data available Specific target organ toxicity - repeated exposure (Globally Harmonized System) no data available Aspiration hazard no data available Potential health effects Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. May be harmful if absorbed through skin. May cause skin irritation. Skin Eyes May cause eye irritation. Signs and Symptoms of Exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Synergistic effects no data available **Additional Information** RTECS: VV7310000

12. ECOLOGICAL INFORMATION

Toxicity no data available Bioaccumulative potential no data available PBT and vPvB assessment no data available Persistence and degradability no data available Mobility in soil no data available Other adverse effects no data available

13. DISPOSAL CONSIDERATIONS

Product Offer surplus and non-recyclable solutions to a licensed disposal company. **Contaminated packaging** Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US) Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods

15. REGULATORY INFORMATION

WHMIS Classification

Not WHMIS controlled.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

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.

06/17/2014