

n-Butyltrimethoxysilane: sc-286396



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: n-Butyltrimethoxysilane

Product Number: sc-286396

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 Overview

Flammable, Corrosive, Toxic

Hazard statement(s)

Harmful to skin, eyes, and respiratory system. Toxic if swallowed. Avoid prolonged exposure. Do not breathe vapor. Use caution when handling. Exposure to any chemical should be limited.

Further Information

To the best of our knowledge, the health hazards of this material have not been fully investigated. Material is for research and development purposes only.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula: C₇H₁₈O₃Si

Molecular weight: 178.31

CAS #: 1067-57-8

4. FIRST AID MEASURES

If inhaled

Remove victim from source of exposure to fresh air. If breathing is difficult administer oxygen. Seek medical attention.

In case of skin contact

After contact with skin, wash with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Wash any contaminated clothing before reusing.

In case of eye contact

Check for and remove any contact lenses. IMMEDIATELY flush Eyes with running water for at least 15 minutes while keeping eyes open. COLD water may be used. Seek medical attention.

If swallowed

Do not induce vomiting. Give water to victim to drink. Seek medical attention.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

carbon dioxide, dry chemical powder, alcohol or polymer foam.

Hazardous combustion products

emits toxic fumes under fire conditions.

Special protective equipment for firefighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear appropriate respirator, rubber boots and heavy rubber gloves.

Methods and materials for containment and clean up

Scoop up and place in an appropriate container. Ventilate area and wash spill site after pickup is complete. Wash skin immediately with plenty of water. Absorb on sand or vermiculite and place in closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Flammable. Corrosive. Toxic. Avoid prolonged use. Avoid all direct contact with material. Wash thoroughly after handling. Do not breathe dust or vapor. Have safety shower and eye wash available. Do not get in eyes, on skin, on clothing. Keep container tightly closed. Ensure adequate ventilation during use. Use only in a chemical fume hood. Avoid sources of ignition.

Conditions for safe storage

Store in a cool, dry, well-ventilated area. Store at room temperature.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures

Ensure ventilation during use.

Personal protective equipment

Hand protection

Wear chemical-resistant gloves.

Skin and body protection

Wear protective clothing and boots.

Eye protection

Wear protective safety goggles.

Hygiene measures

Avoid all direct contact with product. After contact with skin, wash immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	liquid	Boiling Point	164°C
Melting Point	no data	Density	0.93
Refractive Index	no data	Flash Point	49°C

10. STABILITY AND REACTIVITY

Materials to avoid

Strong oxidizing agents, strong acids, and strong bases.

Hazardous decomposition products

May evolve carbon monoxide, carbon dioxide, and silicon oxides.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Corrosive. Toxic.

Potential Health Effects

May be harmful by ingestion and inhalation. Material is irritating to mucous membranes and upper respiratory tract.

Further information

To the best of our knowledge, the toxicological properties of this product have not been fully determined.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Dissolve in or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local laws.

14. TRANSPORT INFORMATION

DOT

Flammable liquid, toxic, corrosive, n.o.s.

UN Number: UN3286

Class(es): 3, 6.1, 8

Packing Group: II

IMDG

Flammable liquid, toxic, corrosive, n.o.s.

UN Number: UN3286

Class(es): 3, 6.1, 8

Packing Group: II

EMS-No: F-E, S-C

Marine Pollutant: No

IATA

Flammable liquid, toxic, corrosive, n.o.s.

UN Number: UN3286

Class(es): 3, 6.1, 8

Packing Group: II

15. REGULATORY INFORMATION

No data available

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.

12/09/2013