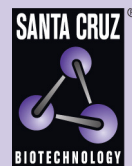


1,11-Undecanediol: sc-258898

MATERIAL SAFETY DATA SHEET



The Power to Question

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name: 1,11-Undecanediol
 Catalog Number: sc-258898
 Supplier: Santa Cruz Biotechnology, Inc.
 2145 Delaware Ave.
 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 - COMPOSITION/INFORMATION ON INGREDIENT

| <u>Substance Name</u> | <u>CAS #</u> | <u>WS</u> |
|-----------------------|--------------|-----------|
| 1,11-Undecanediol | 765-04-8 | 58882 |

Synonyms Undecane-1,11-diol;

Formula: $C_{11}H_{24}O_2$

Molecular Weight: 188.31

SECTION 3 - HAZARDS IDENTIFICATION

HMIS RATING

HEALTH: 0
 FLAMMABILITY: 0
 REACTIVITY: 0

NFPA RATING

HEALTH: 0
 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 not breathing, give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

SECTION 5 - FIRE FIGHTING MEASURES

EXPLOSION DATA

Dust Potential: This material, like most materials in powder form, is capable of creating a dust explosion.

FLASH POINT

N/A

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: 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(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

User Exposure: Avoid inhalation. Avoid contact with eyes, skin and clothing.
 Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed. Store in a cool dry place.

SECTION 8 - EXPOSURE CONTROLS / PPE

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Wear appropriate government approved respirator, compatible chemical-resistant gloves, chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash thoroughly after handling.

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

Appearance powder
 pH N/A
 BP/BP Range N/A
 MP/MP Range N/A
 Freezing Point N/A
 Vapor Pressure N/A
 Vapor Density N/A
 Saturated Vapor Conc. N/A
 SG/Density N/A
 Bulk Density N/A
 Odor Threshold N/A
 Volatile% N/A
 VOC Content N/A
 Water Content N/A
 Solvent Content N/A
 Evaporation Rate N/A
 Viscosity N/A
 Surface Tension N/A
 Partition Coefficient N/A
 Decomposition Temp. N/A
 Flash Point N/A
 Explosion Limits N/A
 Flammability N/A
 Auto ignition Temp N/A
 Refractive Index N/A
 Miscellaneous Data N/A
 N/A=not available

continued...

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, exposure to moist air or water.

Incompatibilities with Other Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization:

Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

ROUTE OF EXPOSURE

Skin Contact: May causes skin irritation.

Eye Contact: May causes eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract.

Multiple Routes: Harmful if swallowed, inhaled, or absorbed through skin.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12 - ECOLOGICAL INFORMATION

No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Dissolve 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 environmental 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.

4/28/2011