

1,11-Diazido-3,6,9-trioxaundecane: sc-208716



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name 1,11-Diazido-3,6,9-trioxaundecane

Synonyms 1,1'-Oxybis[2-(2-azidoethoxy)ethane; 1-Azido-2-[2-[2-(2-azidoethoxy)ethoxy]ethoxy]ethane;

Catalogue # 208716

Cas Reg. No 101187-39-7

Supplier Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
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 - Hazardous Ingredients / Identity Information

The toxicological properties have not been thoroughly investigated. Exercise due care.

Section 3 - PHYSICAL / CHEMICAL CHARACTERISTICS

Molecular Formula C₈H₁₆N₆O₃

Molecular Weight 244.25

Boiling Point N/A

Vapor Pressure N/A

Vapor Density N/A

Solubility in Water N/A

Appearance and Odor Colorless Oil

Specific Gravity(H₂O=1) N/A

Melting Point N/A

Evaporation Rate (Butyl Acetate=1) N/A

Section 4 - REACTIVE DATA

Stability Good

*Incompatibility
(Materials to Avoid)* Strong oxidizing agents

Conditions to Avoid Strong oxidizers

*Hazardous
Decomposition or
Byproducts* Toxic fumes of Carbon Dioxide, Carbon
Monoxide, and Nitrogen oxides

Hazardous Polymerization will not occur

Section 5 - CONTROL MEASURES

Respiratory Protection Niosh/Msha approved respirator

Ventilation Use in hood.

Protective Gloves chemical resistant gloves

Eye Protection chemical safety goggles

Other Protective Clothing lab coat or apron

Other Protection safety shower and eye bath

Section 6 - FIRST AID MEASURES

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin Rinse with copious amounts of water for 15 minutes. Remove contaminated clothing and shoes.

Ingestion Rinse mouth out with water, provided the person is conscious. Seek medical attention.

Eyes Flush eyes with copious amounts of water, separating eyelids with fingers.

Section 7 - HEALTH HAZARD DATA

*Health Hazards
(Acute and Chronic)*

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

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

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

Ingestion: May be harmful if swallowed.

A useful linker for biomolecules.

The toxicological properties have not been thoroughly investigated.

May be harmful by inhalation, ingestion or skin absorption. May cause irritation.

*Medical Conditions
Generally Aggravated by
Exposure*

Section 8 - PRECAUTIONS FOR SAFE HANDLING AND USE

*Steps to be Taken in
Case Material is
Released or Spilled*

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in bag, and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method

Dissolve or mix 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.

*Precautions to Be
Taken in Handling
and Storage*

Store in a cool, dry place. Avoid prolonged, repeated exposure. Wash after handling. Wear chemical safety goggles, chemical resistant gloves, and NIOSH/MSHA-approved respirator. Store at -20° C

Section 9 - FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

*Special Fire Fighting
Procedures*

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

*Unusual Fire and
Explosion Hazards*

Emits toxic fumes under fire conditions.

Section 10 - TRANSPORTATION AND REGULATORY 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.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We will not be held responsible for any damage resulting from handling or contact with the chemical described.

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.