

N-Acetylethylenimine: sc-212107

Material Safety Data Sheet



The Power to Question

Section 1 - General Information

Chemical Name:

1-(aziridin-1-yl)ethan-1-one

CAS Reg. Number:

460-07-1

Catalog Number:

sc-212107

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 - Hazardous Ingredients/Identity Information

Highly Toxic. Very toxic by inhalation, in contact with skin and if swallowed. The toxicological properties of this compound have not been thoroughly investigated. Exercise due care.

Section 3 - Physical/Chemical Characteristics

Boiling Point:

38-39°C @1

Appearance and Odor:

clear colourless oil

Vapor Pressure:

No Data

Specific Gravity(H₂O=1):

No Data

Solubility in Water:

No Data

Melting Point:

38-39°C @1

Evaporation Rate (ButylAcetate=1):

No Data

Vapor Density:

No Data

Molecular Weight:

85.10

Molecular Formula:

C₄H₇NO

Section 4 - Reactive Data

Stability:

No Data

Incompatability (Materials to Avoid):

Reacts strongly with nucleophiles

Conditions to Avoid:

Temperature Sensitive

Hazardous Decomposition or Byproducts:

No Data

Hazardous Polymerization:

May occur

Section 5 - Control Measures

Respiratory Protection:

Niosh/Msha approved respirator

Ventilation:

hood

Protective Gloves:

chemical resistant gloves

Eye Protection:

safety goggles

Other Protective Clothing:

lab coat/apron

Other Protection:

eye safety wash

Section 6 - First Aid Measures**Inhalation:**

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

Skin:

In case of contact, immediately flush eyes or skin with copious amount of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Wash out mouth with water provided person is conscious. Call a physician immediately.

Eyes:

In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.

Section 7 - Health Hazard Data**Health Hazards (Acute and Chronic):**

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

Medical Conditions Generally Aggravated by Exposure:

The toxicological properties of this compound have not been thoroughly investigated. Exercise due care.
REFER TO THE MSDS FOR ETHYLENEIMINE!!!

Section 8 - Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled:**

Wear appropriate chemical resistant apparel. Evacuate area. Avoid raising dust during clean-up. Absorb on sand or vermiculite and place in closed containers for disposal.

Waste Disposal Method:

DESTROY WITH EXCESS SODIUM THIOSULFATE SOLUTION (1 M)

Precautions to Be Taken in Handling and Storage:

Avoid contact & inhalation. Keep tightly closed. Restrict handling by unqualified personnel. Do not breath vapour. Wash thoroughly after handling. Remove and wash contaminated clothing. POISON. IRRITANT. KEEP COLD.

Section 9 - Fire and Explosion Hazard Data**Extinguishing Media:**

Dry 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 Information and regulatory 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.