

1-Amino-4-ethylcyclohexane: sc-258603



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 1-Amino-4-ethylcyclohexane
Product Number: sc-258603
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

OSHA Classification

Flammable. Harmful by inhalation, in contact with skin and if swallowed. Causes burns

GHS Classification

Skin Corrosion (Category 1B)

Acute Toxicity (Category 4)

Flammable Liquid (Category 3)

GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H226

Flammable liquid and vapor.

H302+312+332

Harmful if swallowed, in contact with skin or if inhaled.

H314

Causes severe skin burns and eye damage.

Precautionary statement(s)

P260

Do not breathe vapors.

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

EU Risk and Safety Statements (According to EU Regulation 67/548/EEC)

Hazard Statements

Harmful, Corrosive



Hazard Codes

Xn; C

Risk Codes and Phrases

R10

Flammable.

R20/21/22

Harmful by inhalation, in contact with skin and if swallowed.

R34

Causes burns.

Safety Codes and Phrases

| | |
|-----------|---|
| S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S36/37/39 | Wear suitable protective clothing, gloves and eye / face protection. |
| S38 | In case of insufficient ventilation, wear suitable respiratory equipment. |
| S45 | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |
| S63 | In case of accident by inhalation, remove casualty to fresh air and keep at rest. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|--------------------------|----------------------------------|
| Synonyms: | 4-ethylcyclohexan-1-amine |
| Formula: | C ₈ H ₁₇ N |
| Molecular weight: | 127.23 |
| CAS #: | 42195-97-1 |

4. FIRST AID MEASURES

If inhaled

Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

In case of skin contact

Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

In case of eye contact

Bathe the eye with running water for 15 minutes. Consult a doctor.

If swallowed

Wash out mouth with water. Do not induce vomiting. If conscious, give half a liter of water to drink immediately. Consult a doctor.

Most important symptoms and effects, both acute and delayed

| | |
|---------------------|--|
| Skin contact | There may be irritation and redness at the site of contact. |
| Eye contact | There may be irritation and redness. The eyes may water profusely. |
| Ingestion | There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. |
| Inhalation | There may be irritation of the throat with a feeling of tightness in the chest. |

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide, dry chemical powder, foam. Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Hazardous combustion products

Flammable. Forms explosive air-vapor mixture. In combustion emits toxic fumes. Carbon oxides. Nitrogen oxides (NO_x).

Special protective equipment for firefighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

Environmental precautions

Do not discharge into drains or rivers.

Methods and materials for containment and clean up

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools. Only use in fume hood.

Conditions for safe storage

Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition. Store under Argon. Store at room temperature.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Personal protective equipment

Respiratory protection

Self-contained breathing apparatus must be available in case of emergency.

Hand protection

Impermeable gloves.

Skin and body protection

Impermeable protective clothing.

Eye protection

Safety glasses. Ensure eye bath is available.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------|----------------|
| Form | Liquid |
| Boiling point/range (°C): | 75-80 @ 20mmHg |
| Flash point (°C): | 55 - 60 |
| Relative density: | 0.86 |

10. STABILITY AND REACTIVITY

Chemical reactivity

Stable under recommended transport or storage conditions.

Chemical stability

Stable under normal conditions.

Materials to avoid

Strong oxidizing agents. Strong reducing agents. Strong acids. Strong bases.

Conditions to avoid

Heat. Hot surfaces. Sources of ignition. Flames.

Hazardous Reactions

Hazardous reactions will not occur under normal transport or storage conditions.

Hazardous decomposition products

In combustion emits toxic fumes of carbon dioxide/carbon monoxide. Nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Relevant hazards for substance

Hazard

Acute Toxicity, Skin corrosion/irritation, Serious eye damage/irritation

Routes of exposure

INH, DRM, ING, OPT

Symptoms/routes of exposure

| | |
|-------------------|--|
| Inhalation | There may be irritation of the throat with a feeling of tightness in the chest. |
| Eyes | There may be irritation and redness. The eyes may water profusely. |
| Skin | There may be irritation and redness at the site of contact. |
| Ingestion | There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. |

12. ECOLOGICAL INFORMATION

| | |
|---|---|
| Ecotoxicity not applicable | Persistence and degradability no data available |
| Bioaccumulative potential no data available | Mobility in soil no data available |
| PBT and vPvB assessment Not identified as a PBT substance | Other adverse effects no data available |

13. DISPOSAL CONSIDERATIONS

Product

Material should be disposed of in accordance with local, state and federal regulations

Contaminated packaging

Dispose of as special waste in compliance with local and national regulations Observe all federal, state and local environmental regulations.

NB

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

UN number: UN2924 **Class:** 3 (8) **Packing group:** III

Shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

Special precautions for user

Tunnel code: D/E

Transport category: 3

15. REGULATORY INFORMATION

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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.

05/20/2014