

SECTION-1: Identification of the substance / mixture and the company / undertaking

| | |
|-----------------------------|------------------------------------------------------------------|
| Catalogue Number | CS-EL-08323 |
| Product Name | Aziridine |
| CAS No. | 151-56-4 |
| Category | API |
| Synonyms | Polyethyleneimine; Dihydroazirene; Ethylene Imine; Polyaziridine |
| Brand | Clearsynth Labs Ltd. |
| Identified uses | Laboratory Chemicals |
| Uses advised against | Not available |
| Company | Clearsynth Labs Ltd. Mumbai, India |
| Emergency Phone # | +91-22-245045900 |
| REACH No. | Not available |

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email sales@clearsynth.com for more details.

2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Not available

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

| Code | Statement |
|------|---------------|
| H225 | Not available |
| H300 | Not available |
| H310 | Not available |
| H314 | Not available |

| | |
|----------------|--------------------------------------------------|
| H330 | Not available |
| H340 | Not available |
| H350 | Not available |
| H411 | Toxic to aquatic life with long lasting effects. |
| H300+H310+H330 | Not available |
| H318 | Causes serious eye damage. |
| H351 | Not available |
| H361 | Not available |
| H370 | Not available |
| H372 | Not available |
| H401 | Not available |
| H402 | Not available |
| H412 | Not available |
| H317 | May cause an allergic skin reaction. |
| H335 | Not available |

Precautionary Statement(s)

| Code | Statement |
|------|-------------------------------------------------|
| P203 | Not available |
| P210 | Not available |
| P233 | Not available |
| P240 | Not available |
| P241 | Not available |
| P242 | Not available |
| P243 | Not available |
| P260 | Not available |
| P262 | Not available |
| P264 | Wash hands thoroughly after handling. |
| P270 | Not available |
| P271 | Use only outdoors or in a well-ventilated area. |

| | |
|----------------|---------------------------------------------------------------------------------------------------|
| P273 | Not available |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P284 | Not available |
| P301+P316 | Not available |
| P301+P330+P331 | Not available |
| P302+P352 | IF ON SKIN: Wash with plenty of water and soap. |
| P302+P361+P354 | Not available |
| P303+P361+P353 | Not available |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P354+P338 | Not available |
| P316 | Not available |
| P318 | Not available |
| P320 | Not available |
| P321 | Specific treatment (see ... on this label). |
| P330 | Not available |
| P361+P364 | Not available |
| P363 | Not available |
| P370+P378 | Not available |
| P391 | Not available |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403+P235 | Not available |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulation |
| P264+P265 | Not available |
| P317 | Not available |
| P308+P316 | Not available |
| P319 | Get medical help if you feel unwell. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P272 | Not available |
| P333+P317 | Not available |

P362+P364

Take off contaminated clothing and wash it before reuse.

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Aziridine

CAS Number : 151-56-4

Molecular Formula : C₂H₅N

Molecular Weight : 43.07

Parent Chemical : Aziridine

Synonyms : Polyethyleneimine; Dihydroazirene; Ethylene Imine; Polyaziridine

Concentration : Not available

SECTION 4: First aid measures

Not available

SECTION 5: Firefighting measures

Not available

SECTION 6: Accidental release measures

Not available

SECTION-7: Handling and storage

Not available

SECTION 8: Exposure controls / personal protection

Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| Test | Result |
|-------------|-------------------|
| Appearance | No data available |
| IR spectrum | No data available |
| pH | No data available |

| Test | Result |
|------------|-------------------|
| Solubility | No data available |

| Property | Value |
|--------------------------------------------|-------------------|
| a) Physical State | No data available |
| b) Color | No data available |
| c) Odor | No data available |
| d) pH | No data available |
| e) Vapour Pressure | No data available |
| f) Viscosity | No data available |
| g) Initial Boiling Point and boiling range | No data available |
| h) Melting Point / Freezing Point | No data available |
| i) Auto Ignition Temperature | No data available |
| j) Flash Point | No data available |
| k) Explosion Limit, Lower | No data available |
| l) Explosion Limit, Upper | No data available |
| m) Decomposition Temperature | No data available |
| n) Loss on Drying | No data available |
| o) Relative Density | No data available |
| p) Solubility (in DMSO) | No data available |
| q) Oxidizing Properties | No data available |

SECTION 10: Stability and reactivity

Not available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: LC50 (rat) = 100 mg/m³/2H For more Human Toxicity Excerpts (Complete) data for ETHYLENEIMINE (10 total), please visit the HSDB record page.

- Skin corrosion/irritation: May be fatal if absorbed through skin or inhaled. Corrosive. Causes severe eye, & skin burns.

- Serious eye damage/eye irritation: No data available.

- Respiratory or skin sensitization: irritation eyes, skin, nose, throat; nausea, vomiting; headache, dizziness; pulmonary edema; liver, kidney damage; eye burns; skin sensitization; [potential occupational carcinogen] /LABORATORY ANIMALS: Acute Exposure/ Ethyleneimine penetrated animal skin so quickly that its percutaneous toxicity is not decreased if it is washed off 1 min after contact. Undiluted ethyleneimine leads to extensive degeneration of the tissues, but not to sensitization.
- Germ cell mutagenicity: Evaluation: No epidemiological data relevant to the carcinogenicity of aziridine were available. There is limited evidence in experimental animals for the carcinogenicity of aziridine. Overall Evaluation: Aziridine is possibly carcinogenic to humans (Group 2B). In making the overall evaluation, the Working Group took into consideration that aziridine is a direct acting alkylating agent which is mutagenic in a wide range of test systems and forms DNA adducts that are promutagenic.
- Carcinogenicity: Evaluation: No epidemiological data relevant to the carcinogenicity of aziridine were available. There is limited evidence in experimental animals for the carcinogenicity of aziridine. Overall Evaluation: Aziridine is possibly carcinogenic to humans (Group 2B). In making the overall evaluation, the Working Group took into consideration that aziridine is a direct acting alkylating agent which is mutagenic in a wide range of test systems and forms DNA adducts that are promutagenic. A3: Confirmed animal carcinogen with unknown relevance to humans.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure

- Abdominal pain. Burning sensation. Vomiting. Shock or collapse. Further see Inhalation.

Symptoms related to the physical, chemical and toxicological characteristics

- Cough. Dizziness. Headache. Laboured breathing. Nausea. Vomiting. Symptoms may be delayed.

SECTION 12: Ecological information

Not available

SECTION 13: Disposal considerations

Not available

SECTION 14: Transport information

Not available

SECTION 15: Regulatory information

Not available

SECTION 16: Other information

Not available

DISCLAIMER

This MSDS is system-generated. Please verify and confirm all data, statements, and values with the Support Team before use or distribution.