

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: (1R, 2R)-2-aminocyclohexanol HCl
Synonyms:
Company Identification: PI Chemicals Ltd.
Building B, 633 E Shan Road, Pudong New Area
Shanghai 200127, China
Telephone Number: 86-21-58953700
Fax Number: 86-21-58953701

Section 2 - Product Information

Catalog Number: PI-35194
CAS Number: 13374-31-7
MDL Number: MFCD09259962
Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Powder
Color: White to off-white crystalline
Molecular Formula: C₆H₁₃NO · HCl
Molecular Weight: 151.63
Freezing/Melting Point: Undetermined
Boiling Point: Undetermined
Flash Point: Undetermined
Autoignition Temperature: Undetermined
Refractive Index (n_D20): Undetermined
Density: Undetermined
Decomposition Temperature: Undetermined
Solubility: Undetermined

Section 4 - Hazards Identification

Eye: Causes eye irritation.
Skin: May be harmful if absorbed through skin. Causes skin irritation.
Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Section 5 - First Aid Measures

- Eye:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Skin:** Wash off with soap and plenty of water. Consult a physician.
- Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 6 - Stability and Reactivity

- Chemical Stability:** Stable under recommended storage conditions.
- Materials to Avoid:** Strong oxidizing agents, Carbon dioxide (CO₂), Metals.
- Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides (NO_x), Hydrogen chloride gas.

Section 7 - Handling and Storage

- Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
- Storage:** Keep container tightly closed in a dry and well-ventilated place.
Recommended storage temperature: 2 - 8 °C
Sensitive to carbon dioxide. Store under inert gas.

Section 8 - Personal Protection

- Eyes:** Wear appropriate protective eyeglasses.
- Skin:** Wear appropriate protective gloves to prevent skin exposure.
- Clothing:** Wear appropriate protective clothing to prevent skin exposure.
- Respirators:** Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Fire and Explosion Hazard Data

- General Information:** As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes.
- Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 10 - Accidental Release Measures

- General Information:** Use proper personal protective equipment as indicated in Section 8.
- Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

RTECS#: CAS#13374-31-7: Not available.
LD50/LC50: RTECS # Not available.
Carcinogenicity: (1R, 2R)-2-aminocyclohexanol HCl -Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA.

Section 12 - Environmental information

Not available

Section 13 - Disposal Consideration

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

IATA: Not a dangerous chemical.
IMO: Not a dangerous chemical.
RID/ADR: Not a dangerous chemical.

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives.

Hazard Symbols: Xi

Indication of Danger: Irritant

Risk Phrases:

R 36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36: Wear suitable protective clothing.

Section 16 - Additional Information

MSDS Creation Date: 6 May, 2009
Update: 13 April, 2011

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