

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: (S)-3-Amino-4-(4-chlorophenyl)butanoic acid hydrochloride

Synonyms:

Company Identification: PI Chemicals Ltd.
Room 512, Building 1
88 Cailun Road, Zhangjiang Hi-Tech park,
Pudong New Area, Shanghai 201203, China

Telephone Number: 86-21-58953700

Fax Number: 86-21-58953701

Section 2 - Product Information

Catalog Number: PI-26505

CAS Number: 270596-41-3

MDL Number: Not available

Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: White to off-white

Color: Powder

Odor: Not available

Molecular Formula: $C_{10}H_{12}ClNO_2 \cdot HCl$

Molecular Weight: 250.12

Freezing/Melting Point: 218-220 °C

Boiling Point: Not available

Flash Point: Not available

Autoignition Temperature: Not available

Refractive Index (nD20): Not available

Density: Not available

Decomposition Temperature: Not available

Solubility: Not available

Section 4 - Hazards Identification

Eye: Causes eye irritation.

Skin: Causes skin irritation. Harmful if absorbed through the skin.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Section 5 - First Aid Measures

Eye: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.

Ingestion: Get medical aid immediately. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Section 6 - Stability and Reactivity

Chemical Stability: Stable

Materials to avoid: Incompatible materials.

Conditions to avoid: Not available.

Hazardous Decomposition Products: Carbon monoxide, and carbon dioxide, Nitrogen oxides.

Section 7 - Handling and Storage

Handling: Avoid all direct contact with material. Wash thoroughly after handling. Have safety shower and eye wash available. Do not get in eyes, on skin, on clothing.

Storage: Store in cool place, Keep container tightly closed in a dry and well-ventilated place. Avoid sources of ignition.

Section 8 - Personal Protection

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 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

Not available.

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

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Indication of Danger: Not available

Risk Statements:

R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.

Safety Statements:

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.

Section 16 - Additional Information

MSDS Creation Date: Feb 15, 2009

Update: Feb 16, 2009

The above information is believed to be accurate and represents the best knowledge available to us currently. However,

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