

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 1-Boc-3-oxoazetidine

Synonyms: Tert-Butyl-3-oxoazetidine-1-carboxylate

Company Identification: PI Chemicals Ltd.

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Section 2 - Product Information

Catalog Number: PI-34573
CAS Number: 398489-26-4
MDL Number: MFCD01861741
EC Number: Not available

Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Powder

Color: Light yellow crystalline

Odor: Stench Molecular Formula: $C_8H_{13}NO_3$ Molecular Weight: 171.19 47-51 °C Freezing/Melting Point: **Boiling Point:** Not available Flash Point: 101.7 °C Autoignition Temperature: Not available Refractive Index (nD20): Not available Density: Not available Decomposition Temperature: Not available Not available Solubility:

Section 4 - Hazards Identification

Eye: Causes eye irritation.



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

Ingestion: May cause irritation of the digestive tract. Toxic 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 under recommended temperatures and pressures.

Materials to avoid: Strong oxidizing agents, Strong acids.

Conditions to Avoid: Incompatible materials.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides (NOx).

Hazardous Polymerization: Has not been reported.

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. Normal measures for

preventive fire protection.

Storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Stench. Moisture sensitive. 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#398489-26-4: Not available.

LD50/LC50: RTECS: Not available.

Carcinogenicity: 1-Boc-3-oxoazetidine - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA

Prop 65.

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: UN-Number: 3335 Class: 9.

IMO: This substance is considered to be non-hazardous for transport.

RID/ADR: UN-Number: 3335 Class: 9.

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xn

Indication of Danger: Harmful

Risk Phrases:

R22 Harmful if swallowed.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

Safety Phrases:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



S39: Wear eye/face protection.

WGK (Water Danger/Protection)

CAS# 398489-26-4: Not available

Canada

CAS# 398489-26-4: Not available

US Federal

TSCA

CAS# 398489-26-4 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: March 20, 2007 Update: March 28, 2008

The above information is believed to be accurate and represents the best knowledge available to us currently. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall PI Chemicals, be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, even if PI Chemicals has been advised of the possibility of such damages.