

# **Material Safety Data Sheet**

#### Section 1 - Chemical Product and Company Identification

MSDS Name: (4-Benzyl-piperazin-2-yl)-methanol

Synonyms:

Company Identification: PI Chemicals Ltd.

Room 512, Building 1

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 Telephone Number:
 86-21-58953700

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 86-21-58953701

#### Section 2 - Product Information

Catalog Number: PI-10624
CAS Number: 85817-34-1
MDL Number: MFCD03001699

Purity: 95%

#### Section 3 - Physical and Chemical Properties

Physical state: Solid

Color: orange solid or syrupy

Odor: Not available Molecular Formula:  $C_{12}H_{18}N_2O$ Molecular Weight: 206.289 Freezing/Melting Point: Not available **Boiling Point:** Not available Flash Point: Not available Autoignition Temperature: Not available Refractive Index (nD20): Not available Not available Density: 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 under recommended storage conditions.

Materials to avoid: Strong oxidizing agents, Strong acids and bases.

Conditions to Avoid: Incompatible materials.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides.

Hazardous Polymerization: Has not been reported

# Section 7 - Handling and Storage

Harmful, irritant. Avoid prolonged use, avoid all direct contact with material. Wash thoroughly

after handling. Do not breathe dust or vapor. 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. Ensure

adequate ventilation during use. Use only in a chemical fume hood. 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

Acute toxicity: Harmful, Irritant. May be harmful by ingestion and inhalation. Material is irritating to

mucous membranes and upper respiratory tract. To the best of our knowledge, the

toxicological properties of this product have not been fully determined.

#### 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

Aviation regulated solid, 9,UN3335.

## Section 15 - Regulatory Information

Not available.

#### Section 16 - Additional Information

MSDS Creation Date: March 15, 2008 Update: May 6, 2008

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