

## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** 2-Amino-4-methoxybenzothiazole

**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-30702

**CAS Number:** 5464-79-9

**MDL Number:** Not available

**Purity:** 95%

### Section 3 - Physical and Chemical Properties

**Physical state:** Crystalline powder

**Color:** Pale gray to off-white

**Odor:** Not available

**Molecular Formula:** C<sub>8</sub>H<sub>8</sub>N<sub>2</sub>OS

**Molecular Weight:** 180.23

**Freezing/Melting Point:** Not available

**Boiling Point:** Not available

**Flash Point:** Not available

**Autoignition Temperature:** Not available

**Refractive Index (n<sub>D</sub>20):** 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:** Strong oxidizing agents, naked flame.

**Conditions to avoid:** Incompatible materials.

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

**Polymerization:** Will not occur.

### **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***

**RTECS#:** CAS# 5464-79-9: None listed.

**LD50/LC50:** RTECS#: None listed.

**Carcinogenicity:** 2-Amino-4-methoxybenzothiazole - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Other:** The toxicological properties have not been fully investigated.

## ***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 a dangerous good.

**IMDG:** Not a dangerous good.

**IATA:** Not a dangerous good.

## ***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:**

S24/25-Avoid contact with skin and eyes.

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

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**Section 16 - Additional Information**

**MSDS Creation Date:** Feb 17, 2009

**Update:** Feb 26, 2009

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