

## Material Safety Data Sheet

### 5-Bromo-7-azaindole

#### Section 1 -chemical product and company Identification

**MSDS Name:** 5-Bromo-7-azaindole  
**Catalog Numbers:** 3082  
**Synonyms:** 5-Bromo-1H-pyrrolo[2,3-b]pyridine  
**Company Identification:** China Langchem Inc.  
**For information in China:** Tel:+86-021-58956006  
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Web: <http://www.langchem.com>

#### Section 2 -Composition,information on ingredients

CAS#	Chemical Name:	Purity	MDL#
183208-35-7	5-Bromo-7-azaindole	98%	MFCD06659677

**Hazard Symbols:** Xi, Irritant

**Risk Phrases:** 22-41

#### Section 3 - Hazards Identification

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

#### Section 4- First Aid Measures

**Eyes:** 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 for at least 15 minutes while removing contaminated clothing and shoes.

- Ingestion:** Get medical aid. 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.
- Notes to Physician:** Treat symptomatically and supportively.

## Section 5- Fire Fighting Measures

- General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

## Section 6- 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 7- Handling and storage

- Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
- Storage:** Store in a cool, dry and dark place. Do not store in direct sunlight. Store in a tightly closed container. .

## Section 8- Exposure controls, personal protection

### Engineering Controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### Personal Protective Equipment

- Eyes:** Wear chemical splash goggles.
- 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-Physical and chemical properties

- Physical State:** Powder or powder with lumps
- Color:** Almost white to grey yellow
- Odor:** Not available
- Boiling Point:** Not available
- Freezing/Melting Point::** 178-182 °C
- Flash Point:** Not available
- Density:** Not available
- Solubility in water:** Not available
- Molecular Formula:** C<sub>7</sub>H<sub>5</sub>BrN<sub>2</sub>
- Molecular Weight:** 197.03

## Section 10-Stability and Reactivity

- Chemical Stability:** Stable under normal temperature and pressure.
- Conditions to Avoid:** Incompatible materials.
- Incompatibilities with Other Materials:** Strong oxidizing agents.
- Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides,hydrogen bromide.
- Hazardous Polymerization:** Has not been reported.

## Section 11-Toxicological information

- RTECS#:** CAS# 183208-35-7: None listed .
- LD50/LC50:** RTECS: Not available.

**Carcinogenicity:** 5-Bromo-7-azaindole- Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

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

## Section 12-Ecological information

Not available

## Section 13-Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

## Section 14-Transport information

ADR/RID	IMDG	IATA
Not regulated.	Not regulated.	Not regulated.

## Section 15-Regulatory information

### European/International Regulations

#### European Labeling in Accordance with EC Directives

**Hazard Symbols:** Xi,Xn

**Risk Phrases:**

R 22 Harmful if swallowed.  
R 41 Risk of serious damage to eyes.

**Safety Phrases:**

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

#### WGK (Water Danger/Protection)

CAS# 183208-35-7: 3

Canada

CAS# 183208-35-7: Not available

#### US Federal

## TSCA

CAS# 183208-35-7 is not listed on the TSCA Inventory. It is for research and development use only.

## Section 16- Other information

**MSDS Creation Date:** 2009-03-12

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