

## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** 5-Amino-1-phenylpyrazole  
**Synonyms:** 1-Phenyl-5-aminopyrazole; 1-Phenyl-1H-pyrazol-5-amine  
**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-30950  
**CAS Number:** 826-85-7  
**MDL Number:** Not available  
**EINECS Number:** 212-563-1  
**Purity:** 98%

### Section 3 - Physical and Chemical Properties

**Physical state:** Crystalline powder  
**Color:** Brown  
**Odor:** Not available  
**Molecular Formula:** C<sub>9</sub>H<sub>9</sub>N<sub>3</sub>  
**Molecular Weight:** 159.192  
**Freezing/Melting Point:** 50-51 deg C  
**Boiling Point:** 138-140°C/0.0133kPa  
**Flash Point:** Not available  
**Autoignition Temperature:** Not available  
**Refractive Index (nD20):** Not available  
**Density:** Not available  
**Decomposition Temperature:** Not available  
**Solubility:** Soluble in benzene, ether and chloroform.

### 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 normal temperatures and pressures.  
**Materials to avoid:** Strong oxidizing agents.  
**Conditions to avoid:** Incompatible materials.  
**Hazardous Decomposition Products:** Carbon monoxide, 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# 826-85-7: None listed.

**LD50/LC50:** RTECS#: UQ6108000.

**Carcinogenicity:** 5-Amino-1-phenylpyrazole - 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:** Irritant

**Risk Phrases:**

R 36/37/38: Irritating to the eyes, irritating to the respiratory system, irritating to the skin.

**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#826-85-7: 3**

**Canada**

**CAS#826-85-7: Not available**

**US Federal**

**TSCA**

**CAS# 826-85-7 is not listed on the TSCA Inventory. It is for research and development use only.**

### ***Section 16 - Additional Information***

***MSDS Creation Date: March 9 2009***

***Update: Original***

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