

## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** 2-Chloro-6-hydrazinopyridine  
**Synonyms:** 6-Chloropyridin-2-ylhydrazine  
**Company Identification:** PI Chemicals Ltd.  
Building B, 633 E Shan Road, Pudong New Area  
Shanghai 200127, China  
**Telephone Number:** 86-21-58953700  
**Fax Number:** 86-21-58953701

### Section 2 - Product Information

**Catalog Number:** PI-34718  
**CAS Number:** 5193-03-3  
**MDL Number:** MFCD00214724  
**EC Number:** Undetermined  
**Purity:** 97.0%

### Section 3 - Physical and Chemical Properties

**Physical state:** Solid  
**Color:** Light yellow  
**Odor:** Undetermined  
**Molecular Formula:** C<sub>5</sub>H<sub>6</sub>ClN<sub>3</sub>  
**Molecular Weight:** 143.57  
**Freezing/Melting Point:** 120 °C  
**Boiling Point:** 117-120°C  
**Flash Point:** Undetermined  
**Autoignition Temperature:** Undetermined  
**Refractive Index (n<sub>D</sub>20):** Undetermined  
**Density:** Undetermined  
**Decomposition Temperature:** Undetermined  
**Solubility:** Undetermined

### 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. Cause 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:** Oxidizing agents.

**Conditions to Avoid:** Has not been reported.

**Hazardous Decomposition Products:** Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO<sub>x</sub>), Hydrogen chloride

**Hazardous Polymerization:** Has not been reported.

### **Section 7 - Handling and Storage**

**Handling:** Avoid breathing dust, vapor, mist, or gas. Keep container tightly closed. Avoid contact with skin and eyes. Wash thoroughly after handling. Mechanical exhaust required. Keep away from sources of ignition - No smoking.

**Storage:** Store in closed vessels.

### **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, alcohol-resistant foam, dry chemical or carbon dioxide.

### ***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# 5193-03-3: Not available

**LD50/LC50:** Not available

**Carcinogenicity:** 2-Chloro-6-hydrazinopyridine - 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:** Not dangerous goods.

**IMO:** Not dangerous goods.

**RID/ADR:** Not dangerous goods.

### ***Section 15 - Regulatory Information***

#### ***European/International Regulations***

European Labeling in Accordance with EC Directives

Signal word: Warning

Hazard statement(s)

H301: Toxic if swallowed

H315: Causes skin irritation

H319 Causes serious eye irritation.

H335: Causes skin irritation

Risk Phrases:

R 22: Harmful if swallowed.

R36: Irritating to the eyes

R37 Irritating to the respiratory system

R38 Irritating to the skin

**Safety Phrases:**

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

S 36/37: Wear suitable protective clothing and gloves.

**WGK (Water Danger/Protection)**

CAS# 5193-03-3: Not available

**Canada**

CAS# 5193-03-3: Not available

**US Federal**

**TSCA**

CAS# 5193-03-3 is not listed on the TSCA Inventory. It is for research and development use only.

**Section 16 - Additional Information**

**MSDS Creation Date:** Mar 15, 2008

**Update:** Apr 27, 2012

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