

## Material Safety Data Sheet

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

MSDS Name: 5-Chloro-1H-pyrazolo[4,3-b]pyridine  
Synonyms:  
Company Identification: Annker Organics Co. Ltd.  
8 South lake Road  
Wuhan National Bioindustry Base  
Wuhan 430073, China  
Telephone Number: +86-27-88041443  
Fax Number: +86-27-51829379

### *Section 2 - Product Information*

Catalog Number: HP13124  
CAS Number: 94220-45-8  
MDL Number: MFCD05663984  
EC Number: Unlisted  
Molecular Formula: C<sub>6</sub>H<sub>4</sub>ClN<sub>3</sub>  
Molecular Weight: 153.57  
Purity: 97.0%

### *Section 3 - Physical and Chemical Properties*

Physical state: Powder  
Color: Pale yellow  
Odor: Not available  
Freezing/Melting Point: 201-202 deg C  
Boiling Point: Not available  
Flash Point: Not available  
Refractive Index (n<sub>D</sub>20): Not available  
Density: Not available  
Decomposition Temperature: Not available  
Solubility: Insoluble in water

### *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. 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, hydrochloride.
- Hazardous Polymerization:* Will not occur.

### ***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.
- Storage:* Store in a cool, dry well ventilated place away from sources of heat and incompatible substances. Keep container tightly closed when not in use.

### ***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# 94220-45-8: Not available  
**LD50/LC50:** RTECS: Not available.  
**Carcinogenicity:** 5-Chloro-1H-pyrazolo[4,3-b]pyridine - 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:** This substance is considered to be not restricted for transportation.  
**IMO:** This substance is considered to be not restricted for transportation.  
**RID/ADR:** This substance is considered to be not restricted for transportation.

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

#### *European/International Regulations*

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Indication of Danger: Irritant

Risk Phrases:

R 22: Harmful if swallowed.

Safety Phrases:

S 24/25: Avoid contact with skin and eyes.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

WGK (Water Danger/Protection)

CAS# 94220-45-8: 2

Canada

CAS# 94220-45-8: Not available

#### *US Federal*

#### *TSCA*

CAS# 94220-45-8 is not listed on the TSCA Inventory. It is for research and development use only.

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

**MSDS Creation Date:** February 18, 2009  
**Update:** September 14, 2010

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**Note: This product is for laboratory use only - not for drug, household or other use.**