

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 4,6-Dichloro-5-methylpyrimidine
Synonyms:
Company Identification: Annker Organics Co. Ltd.
Wuhan National Bioindustry Base
Wuhan 430074, China
Telephone Number: +86-27-8804 1443
Fax Number: +86-27-5182 9379

Section 2 - Product Information

Catalog Number: HP21371
CAS Number: 4316-97-6
MDL Number: MFCD01646112
EC Number: Unavailable
Molecular Formula: C₅H₄Cl₂N₂
Molecular Weight: 163.00
Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Solid
Color: Off-white
Odor: Not available
Freezing/Melting Point: 56-60 deg C
Boiling Point: Not available
Flash Point: Not available
Refractive Index (n_D20): Not available
Density: Not available
Decomposition Temperature: Not available
Solubility: Not available

Section 4 - Hazards Identification

Classification of the substance or mixture

According to Regulation (EC) No1272/2008
Skin irritation (Category 2)
Eye irritation (Category 2)
Specific target organ toxicity - single exposure (Category 3)
According to European Directive 67/548/EEC as amended.

Irritating to eyes, respiratory system and skin.

Label elements

Pictogram



Signal word

Danger

Hazard statement(s)

- | | |
|------|--|
| H314 | Causes severe skin burns and eye damage. |
| H335 | May cause respiratory irritation. |

Precautionary statement(s)

- | | |
|--------------------|--|
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER or doctor/physician. |

Hazard symbol(s)

- | | |
|---|-----------|
| C | Corrosive |
|---|-----------|

R-phrases(s)

- | | |
|-----|----------------|
| R24 | Causes burns.. |
|-----|----------------|

S-phrases(s)

- | | |
|-----------|---|
| S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S36/37/39 | Wear suitable protective clothing, gloves and eye/face protection. |
| S45 | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |

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.

<i>Conditions to Avoid:</i>	Incompatible materials.
<i>Hazardous Decomposition Products:</i>	Carbon monoxide, carbon dioxide, nitrogen oxides, hydrochloride.
<i>Hazardous Polymerization:</i>	Has not been reported.

Section 7 - Handling and Storage

<i>Handling:</i>	Avoid breathing dust, vapor, mist, or gas. Keep container tightly closed. Avoid contact with skin and eyes. Wash thoroughly after handling. Mechanical exhaust required.
<i>Storage:</i>	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

<i>Eyes:</i>	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.
<i>Skin:</i>	Wear appropriate protective gloves to prevent skin exposure.
<i>Clothing:</i>	Wear appropriate protective clothing to prevent skin exposure.
<i>Respirators:</i>	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

<i>General Information:</i>	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.
<i>Extinguishing Media:</i>	Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 10 - Accidental Release Measures

<i>General Information:</i>	Use proper personal protective equipment as indicated in Section 8.
<i>Spills/Leaks:</i>	Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

<i>RTECS#:</i>	CAS#4316-97-6: Not available
<i>LD50/LC50:</i>	RTECS: Not available.
<i>Carcinogenicity:</i>	4,6-Dichloro-5-methylpyrimidine - 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: UN-Number: 3261 Class: 8 Packing group: II
Proper shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (4,6-Dichloro-5-methylpyrimidine)

IMO: UN-Number: 3261 Class: 8 Packing group: II
Proper shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (4,6-Dichloro-5-methylpyrimidine)

RID/ADR: UN-Number: 3261 Class: 8 Packing group: II
Proper shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (4,6-Dichloro-5-methylpyrimidine)

Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

European/International Regulations

European Labeling in Accordance with EC Directives

WGK (Water Danger/Protection)

CAS#4316-97-6: 3

Canada

CAS#4316-97-6: Not available

US Federal

TSCA

CAS#4316-97-6 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: May 18, 2010

Update: April 1, 2011

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