

Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

MSDS Name:	2-Amino-6-chloropurine
Synonyms:	6-Chloroguanine
Company Identification:	Shanghai PI Chemicals Ltd. Room 6-306, Building 2 1341 Pudong South Road Pudong New Area, Shanghai 200212, China
Telephone Number:	86-21-51389368
Fax Number:	86-21-51389367
Emergency Number:	86-21-51389369

Section 2 – Product Information

Catalog Number:	PI-31012
CAS #:	10310-21-1
Purity:	98.0%
EINECS#	233-686-7

Section 3 – Physical and Chemical Properties

Appearance:	White to yellow powder
Odor:	Not available
Molecular Formula:	C ₅ H ₄ CIN ₅
Molecular Weight:	169.57
Freezing/Melting Point:	>300°C
Boiling Point:	Not available
Flash Point:	Not available
Refractive Index:	Not available
Density:	Not available
Decomposition Temperature:	Not available
Solubility:	1.7g/l water (20°C)

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:	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:** Not available
- Materials to avoid:** Strong oxidizing agents.
- Conditions to Avoid:** Incompatible materials, temperatures above 250°C.
- Hazardous Decomposition Products:** Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.
- 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.
- Storage:** Store in a cool, dry place. Keep container 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# 10310-21-1: UO7502000

LD50/LC50: RTECS: Not available

Carcinogenicity: 2-Amino-6-chloropurine - 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

Not available

Section 15 – Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 10310-21-1: 1

US Federal

TSCA

CAS# 10310-21-1 is listed on the TSCA Inventory. It is for research and development use only.

Section 16 – Additional Information

MSDS Creation Date: 2/19/2007

Update: Original

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