

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 2,6-Dichloro-3-pyridineboronic acid
Synonyms:
Company Identification: Annker Organics Co. Ltd.
Wuhan National Bioindustry Base
Wuhan 430074, China
Telephone Number: +86-27-88041443
Fax Number: +86-27-51829379

Section 2 - Product Information

Catalog Number: HP11411
CAS Number: 148493-34-9
MDL Number: MFCD03094989
EC Number: Unlisted
Molecular Formula: $C_5H_4BCl_2NO_2$
Molecular Weight: 191.81
Purity: 95%

Section 3 - Physical and Chemical Properties

Physical state: Powder
Color: White
Odor: Not available
Freezing/Melting Point: Not available
Boiling Point: Not available
Flash Point: Not available
Refractive Index (n_D^{20}): Not available
Density: Not available
Decomposition Temperature: Not available
Solubility: Not available

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

<i>Eye:</i>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
<i>Skin:</i>	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.
<i>Ingestion:</i>	Get medical aid immediately. Wash mouth out with water.
<i>Inhalation:</i>	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

<i>Chemical Stability:</i>	Stable under normal temperatures and pressures.
<i>Materials to avoid:</i>	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

RTECS#:	CAS#148493-34-9: Not available
LD50/LC50:	RTECS: Not available.
Carcinogenicity:	2,6-Dichloro-3-pyridineboronic acid - 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#148493-34-9: 2

Canada

CAS#148493-34-9: Not available

US Federal

TSCA

CAS#148493-34-9 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date:	June 5, 2009
Update:	March 15, 2010

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