

Material Safety Data Sheet

Section 1 –Chemical Product and company identification

Product Identification : **2-Aminopyridine 99% MIN**

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Section 2 - Composition/Information on Ingredients

Chemical name	assay	CAS NO.	EINECS#
2-Aminopyridine	99%	504-29-0	207-988-4

SECTION 3 - HAZARDS IDENTIFICATION - EMERGENCY OVERVIEW

EMERGENCY OVERVIEW

Toxic if swallowed. Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye:

Causes eye irritation. Causes redness and pain.

Skin:

Causes skin irritation. Causes symptoms similar to those of inhalation. Causes redness and pain.

Ingestion:

May cause irritation of the digestive tract. Poison by ingestion.

May cause effects similar to those for inhalation exposure.

Inhalation:

Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. May cause adverse central nervous system effects including headache, convulsions, and possible death.

Chronic:

May cause liver and kidney damage.

SECTION 4 - FIRST AID MEASURES

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Wash mouth out with water.

Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

SECTION 5 - FIRE FIGHTING MEASURES General Information

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. Combustible solid.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

SECTION 6 - 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. Remove all sources of ignition.

SECTION 7 - HANDLING AND STORAGE

Handling:

Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage:

Store in a cool, dry place. Store in a tightly closed container

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

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. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Crystalline powder
Color:	cream - beige
Odor:	characteristic odor
pH:	Not available.
Vapor Pressure:	5 hPa @ 125 deg C
Viscosity:	Not available.
Boiling Point:	204 - 210 deg C @ 760.00mm Hg
Freezing/Melting Point:	59 - 60 deg C
Autoignition Temperature:	Not available.
Flash Point:	92 deg C (197.60 deg F)
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	
Solubility in water:	soluble in water
Specific Gravity/Density:	
Molecular Formula:	C5H6N2
Molecular Weight:	94.0554

SECTION 10 - STABILITY AND REACTIVITY

- Chemical Stability: Stable under normal temperatures and pressures.
- Conditions to Avoid: Incompatible materials, ignition sources.
- Incompatibilities with Other Materials: Acids.
- Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide.
- Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

- RTECS#:
- CAS# 504-29-0: US1575000
- LD50/LC50:
- CAS# 504-29-0: Dermal, guinea pig: LD50 = 500 mg/kg; Oral, mouse: LD50 = 145 mg/kg; Oral, rat: LD50 = 200 mg/kg.

Carcinogenicity:

2-Aminopyridine -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Bioaccumulation: none or low

Other

Not readily biodegradable.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

IATA

Shipping Name: AMINOPYRIDINES

Hazard Class: 6.1

UN Number: 2671

Packing Group: II

IMO

Shipping Name: AMINOPYRIDINES

Hazard Class: 6.1

UN Number: 2671

Packing Group: II

RID/ADR

Shipping Name: AMINOPYRIDINES

Hazard Class: 6.1

UN Number: 2671

Packing group: II

SECTION 15 - REGULATORY INFORMATION.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 25 Toxic if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 28B After contact with skin, wash immediately with plenty of water and soap.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 38 In case of insufficient ventilation, wear suitable respiratory equipment.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 504-29-0: No information available.

United Kingdom Occupational Exposure Limits

CAS# 504-29-0: OES-United Kingdom, TWA 0.5 ppm TWA; 2.0 mg/m³ TWA

CAS# 504-29-0: OES-United Kingdom, STEL 2 ppm STEL; 7.8 mg/m³ STEL

United Kingdom Maximum Exposure Limits

Canada

CAS# 504-29-0 is listed on Canada's DSL List.

CAS# 504-29-0 is listed on Canada's Ingredient Disclosure List.

Exposure Limits

CAS# 504-29-0: OEL-AUSTRALIA: TWA 5 ppm (2 mg/m³)

OEL-AUSTRIA: TWA 0.5 ppm (2 mg/m³)

OEL-BELGIUM: TWA 0.5 ppm (2 mg/m³)

OEL-DENMARK: TWA 0.5 ppm (2 mg/m³)

OEL-FINLAND: TWA 0.5 ppm (2 mg/m³); STEL 1.5 ppm (6 mg/m³)

OEL-FRANCE: TWA 0.5 ppm (2 mg/m³)

OEL-GERMANY: TWA 0.5 ppm (2 mg/m³)

OEL-THE NETHERLANDS: TWA 0.5 ppm (2 mg/m³)

OEL-THE PHILIPPINES: TWA 0.5 ppm (2 mg/m³)

OEL-SWITZERLAND: TWA 0.5 ppm (2 mg/m³)

OEL-UNITED KINGDOM: TWA 0.5 ppm (2 mg/m³); STEL 2 ppm (8 mg/m³)

OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV

OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

US FEDERAL

TSCA

CAS# 504-29-0 is listed on the TSCA inventory.

SECTION 16

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special. Indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.