

Section 1 - Chemical Product and Company Identification

MSDS Name: 2-Aminopyridine
Catalog Numbers: AC104540000, AC104540025, AC104541000, AC104545000, AC401060000, AC401061000
AC401061000, ACE1174077
Synonyms: alpha-Aminopyridine; Amino-2-pyridine; 1,2-Dihydro-2-iminopyridine; alpha-Pyridinamine; 2-Pyridinamine; alpha-Pyridylamine.

Company Identification: Acros Organics BVBA
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Acros Organics
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Fair Lawn, NJ 07410
Company Identification: (USA)
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For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 504-29-0
Chemical Name: 2-Aminopyridine
%: > 99
EINECS#: 207-988-4

Hazard Symbols: T



Risk Phrases: 24/25 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! Aspiration hazard if swallowed. Can enter lungs and cause damage. Toxic if swallowed. Toxic if absorbed through the skin. Causes eye, skin, and respiratory tract irritation. Target Organs: Central nervous system, respiratory system, gastrointestinal system, eyes, skin.

Potential Health Effects

Eye: Causes eye irritation. Causes redness and pain.

Skin: Causes skin irritation. Substance is rapidly absorbed through the skin. Causes symptoms similar to those of inhalation. Causes redness and pain. Toxic in contact with skin.

Ingestion: May cause irritation of the digestive tract. Poison by ingestion. May cause effects similar to those for inhalation exposure. Possible aspiration hazard. Toxic if swallowed.

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. May cause severe headaches, nausea, increased blood pressure, weakness, convulsions, and a stuporous state.

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: POISON material. In case of contact, get medical aid immediately. Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.

Ingestion: Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Call a poison control center.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician:

Section 5 - Fire Fighting Measures

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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Containers may explode in the heat of a fire. Combustible solid.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Autoignition Temperature: Not available.

Flash Point: 92 deg C (197.60 deg F)

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: health: 3; flammability: 2; instability: 0;

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. Clean up spills immediately, observing precautions in the Protective Equipment section. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Avoid generating dusty conditions. Remove all sources of ignition. Provide ventilation. Keep unnecessary and unprotected personnel away.

Section 7 - Handling and Storage

Handling: Minimize dust generation and accumulation. Do not breathe dust, mist, or vapor. Do not get in eyes, on skin, or on clothing. Keep away from heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood.

Storage: Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Poison room locked.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
2-Aminopyridine	0.5 ppm	0.5 ppm TWA; 2 mg/m3 TWA 5 ppm IDLH	0.5 ppm TWA; 2 mg/m3 TWA

OSHA Vacated PELs: 2-Aminopyridine: 0.5 ppm TWA; 2 mg/m³ TWA

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

Exposure Limits

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. 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 - Physical and Chemical Properties

Physical State: Crystalline powder

Color: cream - beige

Odor: Faint, characteristic odor

pH: Not available

Vapor Pressure: 5 hPa @125 deg C

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 204 - 210 deg C @ 760 mm Hg

Freezing/Melting Point: 59 - 60 deg C

Decomposition Temperature: Not available

Solubility in water: soluble

Specific Gravity/Density:

Molecular Formula: C₅H₆N₂

Molecular Weight: 94.12

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, ignition sources, dust generation.

Incompatibilities with Other Materials: Strong oxidizing agents, strong acids.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 504-29-0: US1575000

RTECS:

CAS# 504-29-0: Dermal, guinea pig: LD₅₀ = 500 mg/kg;

LD₅₀/LC₅₀: Oral, mouse: LD₅₀ = 145 mg/kg;

Oral, rat: LD₅₀ = 200 mg/kg;

Other: TCLo (Inhalation, Human) = 5

Carcinogenicity: 2-Aminopyridine - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Fish: Bluegill/Sunfish: LC₅₀ = 2.82 - 7.56 mg/L; 96 Hr.; 12-22 degrees C

Ecotoxicity: Bacteria: Phytobacterium phosphoreum: EC₅₀ = 248-284 mg/L; 5, 15, 30 minutes; Microtox test; 15 degrees C

Other: Do not empty into drains.

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

US DOT

Shipping Name: AMINOPYRIDINES

Hazard Class: 6.1

UN Number: UN2671

Packing Group: II

Canada TDG

Shipping Name: AMINOPYRIDINES

Hazard Class: 6.1

UN Number: UN2671

Packing Group: II

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 24/25 Toxic in contact with skin and if swallowed.

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

Safety Phrases:

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

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

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: Not available

Canada

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

Canadian WHMIS Classifications: D1A, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

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

US Federal

TSCA

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

Section 16 - Other Information

MSDS Creation Date: 7/19/1999

Revision #7 Date 7/20/2009

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 event 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.
