

MATERIAL SAFETY DATA SHEET

2-AMINO-5-METHYL PYRIDINE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: 2-AMINO-5-PICOLINE, 2-AMINO-5-METHYL PYRIDINE

Company Identification

Alkali Metals Ltd.,

Plot B-5, Block III, Uppal I.D.A.,

Hyderabad - 500 039, India.

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%	EINECS#
1603-41-4	2-Amino-5-picoline,	99%	216-503-5

Hazard Symbols : T

Risk Phrases : 25 36/37/38

SECTION 3 - HAZARDS IDENTIFICATION - EMERGENCY OVERVIEW

Appearance : Light yellow.

Danger : May be fatal if swallowed. Harmful if inhaled. Irritant. Toxic. Hygroscopic. May cause central nervous system effects. Causes eye and skin irritation. Causes digestive and respiratory tract irritation.

Target Organs : Central nervous system.

Potential Health Effects

Eye : Causes eye irritation.

Skin : Causes skin irritation.

Ingestion : May be fatal if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation : Harmful if inhaled. Causes respiratory tract irritation.

Chronic : No information found.

SECTION 4 - FIRST AID MEASURES

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

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

Ingestion : Do Not induce vomiting. 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.

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

Notes to Physician : Treat symptomatically and supportively.

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.

Extinguishing Media : In case of fire use water spray, dry chemical, carbon dioxide, or chemical foam.

Autoignition Temperature : Not available.

Flash Point : Not available.

NFPA Rating : Not published.

Explosion Limits, Lower : Not available.

Upper : Not available.

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.

SECTION 7 - HANDLING and STORAGE

- Handling** : Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not get on skin or in eyes. Do not ingest or inhale.
- Storage** : Store in a cool, dry place. Store in a tightly closed container.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

- Engineering Controls** : Use adequate general or local, explosion-proof ventilation to keep airborne levels to acceptable levels.

Exposure Limits			
Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
2-Amino-5-picoline99%	none listed	none listed	none listed

- OSHA Vacated PELs** : 2-Amino-5-picoline, 99%:- No OSHA Vacated PELs are listed for this chemical.
- Personal Protective Equipment** :
- Eyes** : Wear appropriate protective eyeglasses or chemicalsafety 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 29CFR 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** : Solid
- Appearance** : light yellow
- Odor** : Not available.
- pH** : Not available.
- Vapor Pressure** : Not available.
- Vapor Density** : Not available.
- Evaporation Rate** : Not available.
- Viscosity** : Not available.
- Boiling Point** : 227deg C @760.00mm Hg
- Freezing/Melting Point** : 76 - 77 deg C
- Decomposition Temperature** : Not available.
- Solubility** : 100 G/L (20°C)
- Specific Gravity/Density** : Not available.
- Molecular Formula** : C6H8N2
- Molecular Weight** : 108.14

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability : Stable under normal temperatures and pressures.
Conditions to Avoid : Incompatible materials, moisture, contact with water.
Incompatibilities with Other Materials : Strong oxidizing agents.
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous Polymerization : Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS# : CAS# 1603-41-4: TJ5141000
LD50/LC50 : CAS# 1603-41-4: Oral, rat: LD50 = 200 mg/kg.
Carcinogenicity : 2-Amino-5-picoline, 99% - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity : Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.
RCRA D-Series Maximum Concentration of Contaminants: None listed.
RCRA D-Series Chronic Toxicity Reference Levels: None listed.
RCRA F-Series: None listed.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

SECTION 14 - TRANSPORT INFORMATION

US DOT : Shipping Name: TOXIC SOLID, ORGANIC, N.O.S.* Hazard Class: 6.1 UN Number: 2811, Packing Group: III
IMO : Shipping Name: TOXIC SOLID, ORGANIC, N.O.S. Hazard Class: 6.1 UN Number: 2811 Packing Group: III
IATA : Shipping Name: TOXIC SOLID, ORGANIC, N.O.S.*Hazard Class: 6.1 UN Number: 2811 Packing Group: III
RID/ADR : Shipping Name: TOXIC SOLID, ORGANIC, N.O.S. Dangerous Goods Code: 6.1(25C) UN Number: 2811
Canadian TDG : No information available.

SECTION 15 - REGULATORY INFORMATION

US FEDERAL
TSCA : CAS# 1603-41-4 is listed on the TSCA inventory.
Health & Safety Reporting List : None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules New Use Rule : None of the chemicals in this product are under a Chemical Test Rule.
Section 12b : None of the chemicals are listed under TSCA Section 12b.
TSCA Significant TSCA. : None of the chemicals in this material have a SNUR under TSCA.
SARA:-
Section 302 (RQ) : None of the chemicals in this material have an RQ.
Section 302 (TPQ) : None of the chemicals in this product have a TPQ.
Section 313 : No chemicals are reportable under Section 313.

Clean Air Act:-

This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depleters.
This material does not contain any Class 2 Ozone depleters.

Clean Water Act:-

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA : None of the chemicals in this product are considered highly hazardous by OSHA.

STATE : 2-Amino-5-picoline, 99% is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level : None of the chemicals in this product are listed.

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

S 37/39 Wear suitable 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).

S 28A After contact with skin, wash immediately with plenty of water.

WGK (Water Danger/Protection) :- CAS# 1603-41-4: 2

Canada : None of the chemicals in this product are listed on the DSL/NDSL list.

WHMIS : Not available. CAS# 1603-41-4 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

SECTION 16 - ADDITIONAL INFORMATION

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 Alkali Metals 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 Alkali Metals has been advised of the possibility of such damages.

