

MATERIAL SAFETY DATA SHEET

2-AMINO-4-METHYL PYRIDINE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: 2-AMINO-4-PICOLINE / 2-AMINO-4-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#
695-34-1	2-Amino-4-picoline / 2-Amino-4-Methyl Pyridine	98%	211-780-9

Hazard Symbols : T
Risk Phrases : 25 36/37/38

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance : Not available. Caution! Causes respiratory tract irritation. May cause digestive tract irritation. Hygroscopic. The toxicological properties of this material have not been fully investigated. Causes eye and skin irritation.

Target Organs : None.

Potential Health Effects

Eye : Causes eye irritation.

Skin : Causes skin irritation.

Ingestion : May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

Inhalation : Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

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.

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

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.

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 - FIREFIGHTING 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 : 118 deg C (244.40 deg F)

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. Use with adequate ventilation. Avoid breathing dust, vapor, mist, or gas. Do not get on skin or in eyes. Avoid ingestion and inhalation.
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 exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
2-Amino-4-picoline, 98%	none listed	none listed	none listed

OSHA Vacated PELs : 2-Amino-4-picoline, 98%: No OSHA Vacated PELs are listed for this chemical.

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 Clothing : Wear appropriate protective gloves to prevent skin exposure.
: 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	: Not available
Odor	: Not available
pH	: Not available
Vapor Pressure	: Not available
Vapor Density	: 3.73
Evaporation Rate	: Not available
Viscosity	: Not available
Boiling Point	: 230760.00 deg C
Freezing/Melting Point	: 98 - 100 deg C
Decomposition Temp.	: Not available
Solubility	: Slightly soluble
Specific Gravity/Density	: Not available.
Molecular Formula	: C ₆ H ₈ N ₂
Molecular Weight	: 108.14

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability : Stable under normal temperatures and pressures.
Conditions to Avoid : incompatible materials, exposure to moist air or water.
Incompatibilities with Other Materials : Strong oxidizing agents, strong acids, acids chlorides, acid anhydrides, and moisture.
Hazardous Decomposition Products : Nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous Polymerization : Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 695-34-1: TJ5150000
LD50/LC50: CAS# 695-34-1: Oral, rat: LD50 = 200 mg/kg;<BR.
Carcinogenicity: CAS# 695-34-1: 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	IATA	RID/ADR	IMO / IMDg	Canada TDG
Shipping Name:	TOXIC SOLID, ORGANIC,N.O.S. (2-AMINO-4- PICOLINE)	TOXIC SOLID, ORGANIC, N.O.S.*	TOXIC SOLID, ORGANIC, N.O.S.	TOXIC SOLID, ORGANIC, N.O.S.	No information available.
Hazard Class:	6.1	6.1	6.1(25C)	6.1	
UN Number:	UN2811	UN2811	UN2811	UN2811	
Packing Group:	III	III		III	

SECTION 15 – REGULATORY INFORMATION

FEDERAL
TSCA

CAS# 695-34-1 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

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 New Use Rule

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 depletors. This material does not contain any Class 2 Ozone depletors.

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
OSHA.
STATE

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

CAS# 695-34-1 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
Risk Phrases

: T
:

R 25 Toxic if swallowed. R 36/37/38 Irritating to eyes, respiratory system and skin.

SECTION 15 – REGULATORY INFORMATION (Contd..)

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# 695-34-1: No information available.

Canada

None of the chemicals in this product are listed on the DSL/NDSL list. WHMIS: Not available.

CAS# 695-34-1 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

SECTION 16 - ADDITIONAL INFORMATION

MSDS Creation Date	01-12-99	Revision #0 Date	Original.
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The information above is believed to be accurate and best information currently available to us. The manufacturer make no warranty of merchantability or any other warranty of any sort. with respect to this information. We assume no liability resulting from its use. Users should make their own investigations to determine the suitability for their particular purposes. In no way the manufacturer is liable for any claims, losses, or damages indirect, incidental, consequential or exemplary damages, whatsoever arising.

