

ALKALI METALS LTD.,	MATERIAL SAFETY DATA SHEET
PRODUCT	2,6-DIAMINOPYRIDINE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: 2,6-Diaminopyridine, 98%
2,6-DAP ; 2,6-Pyridinediamine

Company Identification:

Alkali Metals Ltd.,
Plot B-5, Block III, IDA Uppal,
Hyderabad -500 039. INDIA
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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	Chemical Name	%	Einecs #
141-86-6	2,6 Diaminopyridine	98	205-507-2

Hazard Symbols: T

Risk Phrases: 25 36/37/38

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: slightly beige. The toxicological properties of this material have not been fully investigated.

Target Organs: None known.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation.

Ingestion: Poison by ingestion.

Inhalation: Causes respiratory tract irritation.

Chronic: Not available.

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

Ingestion: Get medical aid immediately. Wash mouth out with water.

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

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: 155 deg C (311.00 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.

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.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs
2,6 Diaminopyridine	None listed	None listed	None listed

OSHA Vacated PELs: 2,6-DIAMINOPYRIDINE: 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: 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	:	slightly beige
Odor	:	Not available.
PH	:	Not available.
Vapor Pressure	:	Not available.
Vapor Density	:	Not available.
Evaporation Rate	:	Not available.
Viscosity	:	Not available.
Boiling Point	:	285 deg C @ 760.00mm Hg
Freezing/Melting Point	:	118 - 120 deg C
Decomposition Temperature	:	Not available.
Solubility	:	9.9 G/100 ML (20°C)
Specific Gravity/Density	:	Not available.
Molecular Formula	:	C ₅ H ₇ N ₃
Molecular Weight	:	109.13

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Strong oxidizing agents.

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

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 141-86-6: US7570000

LD50/LC50: Not available.

Carcinogenicity: 2,6-DIAMINOPYRIDINE - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology : No data available.

Teratogenicity : No data available.

Reproductive Effects : No data available.

Neurotoxicity : No data available.

Mutagenicity : No data available.

Other Studies : No data available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity : Not available.

Environmental Fate : Not available.

Physical/Chemical : Not available.

Other : 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.

Not listed as a material banned from land disposal according to RCRA.

SECTION 14 - TRANSPORT INFORMATION

US DOT
Shipping Name : TOXIC SOLID, ORGANIC, N.O.S. (2,6-DIAMINOPYRIDINE)
Hazard Class : 6.1
UN Number : UN2811
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
Shipping Name : POISONOUS SOLID NOS (2,6-DIAMINOPYRIDINE)
Hazard Class : 6.1(9.2)
UN Number : UN2811

SECTION 15 - REGULATORY INFORMATION

US FEDERAL

TSCACAS# 141-86-6 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 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 2,6-DIAMINOPYRIDINE 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 of 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# 141-86-6: No information available.

Canada

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

This product does not have a WHMIS classification.

CAS# 141-86-6 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

SECTION 16 - ADDITIONAL INFORMATION
MSDS Creation Date: 15/05/2000

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.