

MATERIAL SAFETY DATA SHEET
2-BROMOPYRIDINE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name : 2-BROMOPYRIDINE

Synonyms : --

Company Identification:

Alkali Metals Ltd.,

Plot B-5, Block III, IDA Uppal

Hyderabad, India - 500 039

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name
109-04-6	2-Bromopyridine

Hazard Symbols : T

Risk Phrases : 10 23/24/25 36/37/38

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Flammable. Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

Potential Health Effects:-

Eye : Causes eye irritation.

Skin : Causes skin irritation. Toxic in contact with skin.

Ingestion : May cause irritation of the digestive tract. Toxic if swallowed.

Inhalation : Causes respiratory tract irritation. Toxic if inhaled

Chronic : Not available

SECTION 4 - FIRST AID MEASURES

Eyes : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eye lids. Get medical aid immediately.

Skin : Get medical aid immediately. Flush skin with plenty of water while removing contaminated clothing and shoes.

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

Inhalation : Get medical aid Remove from exposure and move 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 and full protective gear.

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

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information : Use proper personal protective equipment.

Spills/Leaks : Absorb spill with inert material, (e.g., dry sand or earth), then place into a suitable container. Remove all sources of ignition. Use a spark-proof tools.

SECTION 7 - HANDLING and STORAGE

Handling : Use spark-proof tools and explosion proof equipment. Do not breath dust, vapor, mist, or gas. Avoid contact with skin, eyes and on clothing.

Storage : Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls : Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure limits : Not available.

Personal Protective Equipment :

Eyes : Wear chemical splash goggles.

Skin : Wear appropriate protective gloves to prevent skin exposure.

Clothing : Wear appropriate protective clothing to prevent skin exposure.

Respirators : Wear appropriate respirators where necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid.
Appearance	: Clear, colourless to light brown
Odor	: Not available.
pH	: Not available.
Vapor Pressure	: Not available.
Viscosity	: Not available.
Boiling Point	: 192 - 194 °C @ 760 mmHg
Freezing/Melting Point	: Not available.
Autoignition temperature	: > 400°C (> 752°F)
Flash point	: 54°C (129.2°F)
Explosion limits Lower	: Not available
Upper	: Not available
Decomposition Temperature	: Not available.
Solubility in water	: 2.5 g/l (20°C)
Specific Gravity/Density	: 1.65 g/cm ³
Molecular Formula	: C ₅ H ₄ BrN
Molecular Weight	: 158

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, strong acids, acid chlorides.

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

Hazardous Polymerization : Not available.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#: : CAS# 109-04-6 : US3850000

LD50/LC50 : RTES : Not available : Other : Oral, Rat : LD 50 = 92 mg/kg Skin, Rabbit : LD 50 = 82 mg/k, Inhalation, Rat : LC 50 = < 200 mg/l/1h

Carcinogenicity : 2-Bromopyridine, Not listed as a carcinogen by ACGIH, IARC, NTP.

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORT INFORMATION

	IATA	IMO	RID / ADR
Shipping Name	Not available	Not available	Not available
Hazard class	--	--	--
UN number	--	--	--
Packing group	--	--	--

SECTION 15 - REGULATORY INFORMATION

European / International Regulations:-

European Labeling in Accordance with EC Directives

Hazard Symbols : T

Risk Phrases :

R 10 Flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases :

S 16 Keep away from sources of ignition – No smoking.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical aid.
S 28A After contact with skin, wash immediately with plenty of water.
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.

WGK (Water Danger/Protection)

CAS# 109-04-6 : Not available.

Canada

CAS# 109-04-6 is listed on the NDSL list.

US FEDERAL

TSCA : CAS# 109-04-6 is listed on the TSCA inventory.

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.