

MATERIAL SAFETY DATA SHEET

ETHYL ISONICOTINATE

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name : ETHYL ISONICOTINATE

Synonyms : Ethyl 4-Pyridinecarboxylate

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
1570-45-2	Ethyl Isonicotinate

Hazard symbol : Not available

Risk Phrases : Not available

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Not available

POTENTIAL HEALTH EFFECTS

Eye : Causes eye irritation.

Skin : Causes skin irritation. May be harmful if absorbed through the skin.

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

Inhalation : May cause respiratory tract irritation. May be harmful if inhaled.

Chronic : Not available.

SECTION 4 - FIRST AID MEASURES

Eyes : Flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

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

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

Inhalation : 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, chemical foam or alcohol-resistant foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information : Use proper personal protective equipment.

Spills / Leaks : Vacuum or sweep up material and place in to a suitable disposal container.

SECTION 7 - HANDLING AND STORAGE

- Handling : Avoid ingestion and Inhalation. Avoid contact with skin and eyes.
Wash thoroughly after handling. Remove contaminated 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 : Use adequate ventilation to keep airborne concentrations low.
- Exposure Limits : CAS No. # 1570-45-2

PERSONAL PROTECTIVE EQUIPMENT

- Eyes : Wear chemical splash goggles.
- Skin : Wear appropriate protective gloves and clothing to prevent skin exposure.
- Clothing : Wear appropriate protective clothing to minimize contact with skin.
- Respirators : Use appropriate respirators where necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Clear liquid
Color	Colourless to- light brown
Odor	Not available
PH	Not available
Vapor Pressure	Not available
Viscosity	Not available
Boiling Point	92 °C @ 8 mm Hg (197.60 °F)
Freezing/Melting Point	0 °C (32.00 °F)
Autoignition Temp.	Not available
Flash Point	87 °C (188.60 °F)
Explosion Limits	Lower : Not available, Upper: Not available.
Decomposition Temp.	Not available
Solubility in water	Immiscible
Specific Gr./Density	1.0090 g/cm ³
Molecular Formula	C ₈ H ₉ NO ₂
Molecular Weight	151.16

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 bases.
- Hazardous Decomposition Products : Nitrogen Oxides, carbon monoxide, carbon dioxide.
- Hazardous Polymerization : Not available

SECTION 11 - TOXICOLOGICAL INFORMATION

- RTECS# : CAS# 1570-45-2 : NS 1450000
- LD50/LC50 RTECS: Not available.
- Carcinogenicity : Ethyl Isonicotinate – is 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 No.	--	--	--
Packing Group	--	--	--

SECTION 15 – REGULATORY INFORMATION

European / International Regulations :

European Labeling in Accordance with EC Directives

Hazard Symbols : Not available

Risk Phrases : Not available

Safety Phrases : S 24/25 Avoid contact with skin and eyes seek medical advice.

WGK (Water Danger / Protection)

CAS # 1570-45-2 : Not available

Canada

CAS# 1570-45-2 is listed on Canada's DSL list.

US FEDERAL

TSCA

CAS# 1570-45-2 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 Ltd., 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 Ltd., has been advised of the possibility.