

MATERIAL SAFETY DATA SHEET

2,3,5 TRICHLOROPYRIDINE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:- 2,3,5-TRICHLOROPYRIDINE

Company Identification

Alkali Metals Ltd.,

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

Hyderabad - 500 039. India

For information call :- +91 40 2756 3002 / 2756 2932 / 2720 2298

Email :- alkalimetals@alkalimetals.com

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%	EINECS#
16063-70-0	2,3,5 TRI CHLORO PYRIDINE	98	

Hazard Symbol :-

SECTION 3 - HAZARDS IDENTIFICATION - EMERGENCY OVERVIEW

Appearance :- off-white crystals.

Acute Effects:-Harmful if swallowed, inhaled, or absorbed through skin. Material is irritating to mucous membranes and upper respiratory tract. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Target Organ :- Behavioral (somnolence). Behavioral (antipsychotic). Liver (fatty liver degeneration). Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

Potential Health Effects :- **Eye** :- Irritating to eyes.

Skin :-Irritating to skin

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

Inhalation :- Harmful by inhalation and may cause respiratory tract irritation.

SECTION 4 - FIRST AID MEASURES

Eyes :- Flush eyes with plenty of water for at least 15 minutes. Get medical aid.

Skin :- Get medical aid. Flush skin with plenty of soap and water for atleast 15 minutes while removing contaminated clothing and shoes.

Ingestion :- Get medical aid. Wash mouth out with water provided person is conscious. Call a physician.

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. Water Reactive. Material will react with water and may release a flammable and/or toxic gas.

Extinguishing Media :- Use water spray, carbon di oxide, dry chemical powder or appropriate foam.

Special Fire Fighting Procedures :- Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards :- Emits toxic fumes under fire conditions.

Autoignition Temperature:- Not available. **Flash Point**:- >230°C.

NFPA Rating:- Not published. **Explosion Limits, Lower & Upper**:-Not available

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information :- Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Spills/Leaks :- Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

SECTION 7 - HANDLING AND STORAGE

Handling :- Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Do not allow contact with water. Wash thoroughly after handling.

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
2,3,5 TRI CHLORO PYRIDINE			

Personal Protective Equipment :-

Eyes :-Chemical safety goggles. Safety shower and eye bath. Mechanical exhaust required.

Skin :- Compatible chemical-resistant gloves.

Clothing :- Wear appropriate protective clothing to prevent skin exposure.

Respirator :-Always use a NIOSH/MSHS approved respirator when necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid/Liquid Mixture	Appearance	Off-white crystals.
Odour	Practically odourless	pH	Not available.
Vapor Pressure	Not available.	Vapor Density	Not available.
Evaporation Rate	Not available.	Viscosity	Not available.
Boiling Point	219°C.	Freezing/Melting Point	48°C to 50°C
Decomposition Temperature	Not available	Solubility	Reacts
Specific Gravity/Density	Not available	Molecular Formula	C ₅ H ₂ Cl ₃ N
		Molecular Weight	182.5

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability :- Not available. **Conditions to Avoid** :- Incompatible with strong oxidising agents, exposure to air, contact with water. **Hazardous Decomposition**

Products:-

Toxic fumes of Carbon Monoxide, Carbon Monoxide, Carbon Di Oxide, Nitrogen Oxides, Hydrogen Chloride gas.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:- UU0525000.

Toxicity data :- IPR-MUS LD50:430 MG/KG. TXAPA9 11,361,67

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:-Not available.**Environmental Fate:-**Not available.

Physical/Chemical:-Not available.**Other:-**Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

SECTION 14 - TRANSPORT INFORMATION

UN NO : 3290

CLASS : 6.1 PKG GR : II

HAZARD : Toxic solid, Corrosive, inorganic n.o.s

US DOT:- Shipping Name:- 2,3,5-TRICHLOROPYRIDINE, UN Number:-UN3290 Packing Group: II.

IMO :-Shipping Name:- 2,3,5-TRICHLOROPYRIDINE, Hazard Class: 6.1, UN Number: UN3290, Packing Group: II

IATA :- Shipping Name:- 2,3,5-TRICHLOROPYRIDINE, UN Number:-UN3290 Packing Group: II.

RID/ADR :- Shipping Name:- 2,3,5-TRICHLOROPYRIDINE, UN Number:-UN3290 Packing Group: II.

Canadian TDG :- Shipping Name:- 2,3,5-TRICHLOROPYRIDINE, UN Number:-UN3290 Packing Group: II.

SECTION 15 - REGULATORY INFORMATION

TSCA :-CAS# 16063-70-0

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

Chemical Test Rules :- None of the chemicals in this product are under this 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.

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 or Class 1 Ozone depletors or Class 2 Ozone depletors.

Clean Water Act : -None of the chemicals in this product are listed as Hazardous Substances, Priority Pollutants or toxic Pollutants under the CWA.

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

INTERNATIONAL :- Caution:-Substance not yet fully tested. **R 20/21/22** harmful by inhalation, in contact with skin and if swallowed. **R 36/37/38** irritating to eyes, respiratory system and skin. **S 26** in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S 36** wear suitable protective clothing.

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.

