

MATERIAL SAFETY DATA SHEET

SODIUM AMIDE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: SODIUM AMIDE, 99%

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#
7782-92-5	Sodium amide	95	231-971-0

Hazard Symbols: F C

SECTION 3 - HAZARDS IDENTIFICATION - EMERGENCY OVERVIEW

Appearance : Greyish-white crystalline powder. Dangerous when wet.
Target Organs : None.
Potential Health Effects : The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

SECTION 4 - FIRST AID MEASURES

Eyes : 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. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.
Ingestion : If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.
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.
Antidote : none reported

SECTION 5 - FIRE FIGHTING MEASURES

General Information : Water Reactive. Material will react with water and may release a flammable and/or toxic gas.
Extinguishing Media : Do not use water directly on fire.
Autoignition Temperature : 450°C (842.00°F)
Flash Point : Not available.
NFPA Rating : Not published.
Explosion Limits, Lower & upper : Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information : Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks : Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable clean, dry container for disposal.

SECTION 7 - HANDLING AND STORAGE

- Handling** : Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
- Storage** : Keep away from water. Water free area.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

- Engineering Controls** : Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits			
Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sodium amide	None listed	none listed	none listed

- OSHA Vacated PELs** : Sodium amide:- No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

- Eyes** : Wear chemical goggles.
- Skin** : Wear appropriate protective gloves to prevent skin exposure.
- Clothing** : Wear appropriate protective clothing to minimize contact with skin.
- Respirators** : A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Not available.
Appearance	Greyish - White crystalline Powder
Odour	Not available.
pH	Not available.
Vapor Pressure	Not available.
Viscosity	Not available.
Boiling Point	400°C
Freezing/Melting Point	210°C
Decomposition Temp.	>330°C
Solubility	Reacts very violently, even Explosively.
Sp.Gravity/Density	Not available.
Molecular Formula	NaNH ₂
Molecular Weight	39
Evaporation Rate	Not available.
Vapor Density	Not available.

SECTION 10 - STABILITY AND REACTIVITY

- Chemical Stability** : Stable under normal temperatures and pressures.
- Conditions to Avoid** : Incompatible materials, strong oxidants.
- Incompatibilities with other Materials** : Not available.
- Hazardous Decomposition Products** : Irritating and toxic fumes and gases.
- Hazardous Polymerization** : Not available.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS# : CAS# 7782-92-5 unlisted.
LD50/LC50 : Not available.
Carcinogenicity : Sodium amide -Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

SECTION 12 - ECOLOGICAL INFORMATION

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: Not listed.

RCRA D-Series Chronic Toxicity Reference Levels: Not listed.

RCRA F-Series: Not listed.

RCRA P-Series: Not listed.

RCRA U-Series: Not listed.

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

SECTION 14 - TRANSPORT INFORMATION

US DOT : Shipping Name:- ALKALI METAL AMIDES, DANGEROUS WHEN WET, Hazard Class: 4.3, UN Number:- UN1390, Packing Group:- II.

IMO : Shipping Name:- ALKALI METAL AMIDES, Hazard Class: 4.3, UN Number:- 1390, Packing Group:- II

IATA : Shipping Name:- ALKALI METAL AMIDES, Hazard Class:-4.3, UN Number:- 1390, Packing Group:- II

RID/ADR : Shipping Name:- ALKALI METAL AMIDES, Dangerous Goods Code:-4.3(19B), UN Number:- 1390

Canadian TDG : Shipping Name: ALKALI METAL AMIDES NOS (SODIUM AMIDE) Hazard Class: 4.3, UN Number:- UN1390

SECTION 15 - REGULATORY INFORMATION.

TSCA : CAS# 7782-92-5 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 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

: European Labeling in Accordance with EC Directives
Hazard Symbols: F C, Safety Phrases:-S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 36/37 Wear suitable protective clothing and gloves. S 7/8 Keep container tightly closed and dry. S 43D In case of fire, use sodium carbonate or dry sand (never use water).

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.

