

MATERIAL SAFETY DATA SHEET

SODIUM HYDRIDE, 65% dispersion in mineral oil, toluene soluble bags

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: SODIUM HYDRIDE, 65% dispersion in mineral oil, toluene soluble bags

Company Identification

Alkali Metals Ltd.,

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

Hyderabad - 500 039, India.

For information call :- +91 40 27563002 / 27562932 / 27201179

Email :- alkalimetals@alkalimetals.com

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%	EINECS#
7646-69-7	SODIUM HYDRIDE	65	231-587-3
8042-47-5	MINERAL OIL	35%	232-455-8

Hazard Symbols: F

SECTION 3 - HAZARDS IDENTIFICATION - EMERGENCY OVERVIEW

- Appearance** : Grey tacky powder. Reacts with water.
The toxicological properties of this material have not been fully investigated. Dangerous when wet.
- Target Organs** : None known.
- Potential Health Effects** :
- Eye** : May cause eye irritation and possible burns.
- Skin** : May cause severe skin irritation with possible burns, especially if skin is wet or moist.
- Ingestion** : The toxicological properties of this substance have not been fully investigated. May cause burns to the digestive tract.
- Inhalation** : The toxicological properties of this substance have not been fully investigated. May cause severe respiratory tract irritation.
- Chronic** : Not available.

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.
- 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.
- 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 dry sand or earth to smother fire. Do not use carbon dioxide. Do not use alcohol foams. Do not use halogenated agents. **DO NOT USE WATER!**
Use dry chemical.
- Autoignition Temperature** : Not available.
- 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** : Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container. Provide ventilation.

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. Use only in a chemical fume hood.
- Storage** : Store in a cool, dry place. Store in a tightly closed container. Keep under a nitrogen blanket. Water free area.

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
SODIUM HYDRIDE	None listed	none listed	None listed
MINERAL OIL	None listed	none listed	None listed

- OSHA Vacated PELs** : SODIUM HYDRIDE. No OSHA Vacated PELs are listed for this chemical. MINERAL OIL: -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 regulations in 29 CFR 1910.133.
- 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. Always use a NIOSH-approved respirator when necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid/Liquid Mixture
Appearance	Grey tacky power
Odor	Practically odorless
pH	Not available
Vapor Pressure	Not available
Viscosity	Not available
Boiling point	Not available
Freezing/Melting Point	800°C
Decomposition tep.	>225°C
Solubility	Reacts
Specific Gravity/ Density	1.2g/cm ³
Molecular Formula	NaH
Molecular weight	24
Evaporation rate	Not available
Vapour density	Not available

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability	: Not available.
Conditions to Avoid	: Incompatible materials, exposure to air, contact with water, temperatures above 220°C.
Incompatibilities with Other Materials	: Acids - alcohols - carbon dioxide - hydrogenhalides.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, hydrogen gas.
Hazardous Polymerization	: Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#	: CAS# 7646-69-7: WB3910000 CAS# 8042-47-5: PY8047000
LD50/LC50	: Not available.
Carcinogenicity	: SODIUM HYDRIDE :- Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. MINERAL OIL :- Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

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: 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:-SODIUM HYDRIDE, Hazard Class:- 4.3. UN Number:-UN1427 Packing Group: I.
IMO	: Shipping Name: SODIUM HYDRIDE, Hazard Class: 4.3, UN Number: 1427 Packing Group: I
IATA	: Shipping Name: SODIUM HYDRIDE, Hazard Class: 4.3, UN Number: 1427 Packing Group: I
RID/ADR	: Shipping Name: SODIUM HYDRIDE, Dangerous Goods Code: 4.3(16A) UN Number: 1427
Canadian TDG	: Shipping Name: SODIUM HYDRIDE, Hazard Class: 4.3 UN Number: UN1427

SECTION 15 - REGULATORY INFORMATION

TSCA	: CAS# 7646-69-7 & CAS# 8042-47-5 listed on the TSCA inventory.
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	: European Labeling in Accordance with EC Directives,
Hazard Symbols	: F ,
Safety Phrases	: S 24/25 Avoid contact with skin and eyes. S 7/8 Keep container tightly closed and dry.S 43A In case of fire, use dry chemical (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.

