



MATERIAL SAFETY DATA SHEET

Section 1 – Chemical Product and Company Identification:

Product Name	SODIUM HYDRIDE dispersed in 35% to 65 % mineral oil
Company Identification	NATRIZEN CHEMICALS PVT. LTD. SURVEY. NO. 54A, MALYALA (V), BOMMALA RAMARAM (M),NALGONDA (DT) – 508126, A.P., INDIA
For information, call	+91 9948047535
Emergency Number	+91 9849645406
For CHEMTREC assistance, call	+91 40-29809095
For International CHEMTREC assistance, call	+91 9849645406

Section 2 – Composition, Information on Ingredients:

CAS NO	Chemical Name	Percent	EINECS / ELINCS NO
7646-69-7	Sodium Hydride	60 - 65	231-587-3
8042-47-5	Mineral Oil	40 - 35	232-455-8

Hazard Symbols: F

Section 3 – Emergency Overview:

Appearance	Grey tacky powder. Reacts with water. The toxicological properties of this material have not been fully investigated.
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

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	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 immediately.
Skin	Flush skin with plenty of soap and water for atleast 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately.
Ingestion	Wash mouth out with water. Get medical aid immediately.
Inhalation	Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid immediately.

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. Sodium Hydride 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 WATER OR FOAM
Auto-ignition Temperature	Not available
Flash Point	Not available
NFPA Rating	Not published. Explosion Limits, Lower & Upper:-Not available

Section 6 – Accidental Release Measures:

General Information/Spills / Leaks	Use proper personal protective equipment as indicated in Section 8. Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container. Provide ventilation.
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Section 7 – Handling and Storage:

Handling	Avoid breathing dust, vapour, mist, or gas. Avoid contact with skin and eyes. Do not allow contact with water. Use only in a chemical fume hood
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Storage	Store in a cool, dry place. Store in a tightly closed container. Keep under a nitrogen blanket. Water free area
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Section 8 – Exposure Controls, Personal Protection:

Engineering Controls	Use adequate ventilation to keep airborne concentrations low
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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
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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 hand gloves and 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	Crystals dispersed in mineral oil
Appearance	grey/white
Odor	Practically odourless
PH	Not available
Vapor Pressure	Not available
Vapor Density	Not available

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Evaporation Rate	Not available
Viscosity	Not available
Boiling Point	Not available
Freezing / Melting Point	800 deg C
Decomposition Temperature	>225oC
Specific Gravity / Density	1.2g/cm3
Molecular Formula	NaH
Molecular Weight	24

Section 10 – Stability and Reactivity:

Chemical Stability	Not available	
Conditions to Avoid	Incompatible materials:	Exposure to air, contact with water, temperatures above 220oC.
	Incompatibilities with Other Materials:-	Acids-alcohols-carbon dioxide- hydrogen halides.
	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:

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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:

	Shipping Name	Hazard Class	UN Number	Packaging Group
US DOT	SODIUM HYDRIDE	4.3	UN1427	I
IMO	SODIUM HYDRIDE	4.3	UN3131	I
IATA	SODIUM HYDRIDE	4.3	UN3131	I
RID	SODIUM HYDRIDE	4.3	UN3131	I
Canada TDG	SODIUM HYDRIDE	4.3	UN3131	I

Section 15 – Regulatory Information:

US Federal

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

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Clean Air Act	This material does not contain any hazardous air pollutants or Class 1 Ozone depleters or Class 2 Ozone depleters
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

European Labeling in Accordance with EC Directives

Hazard Symbols: F,

Risk Phrases	R 15 Contact with water liberates extremely flammable gases
Safety Phrases	S 7/8 Keep container tightly closed and dry. S 24/25 Avoid contact with skin and eyes. S 43H In case of fire, use dry chemical, soda ash, lime or sand. (Do not use water or foam).
WGK (Water Danger/Protection)	CAS# 7646-69-7: 1

Section 16 – Other Information:

MSDS Creation Date	23/06/2007
Revision # 3 Date	02/07/2013

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 event shall Natrizen Chemicals pvt ltd or its partners 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 the company has been advised of the possibility of such damages. For questions please contact www.natrizen.com.

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