SDS No.: SS0550

Section 1

Chemical Product and Company Information

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scientific	80 Northwest Blvd. Nashua, NH 03063 (800) 225-3739

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory use only. Not for drug, food or household use.

SODIUM HYDROXIDE, ANHYDROUS Product Synonyms Caustic Soda Section 2 **Hazards Identification** Signal word: DANGER Precautionary statement: Pictograms: GHS05 P260: Do not breathe dust Target organs: Respiratory tract, gastrointestinal tract, eyes, skin. P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated GHS Classification: clothing. Rinse skin with water/shower. Skin. Corr. (Category 1A) P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. GHS Label information: Hazard statement: P310: Immediately call a POISON CENTER or doctor. H314: Causes severe skin burns and eve damage. P363: Wash contaminated clothing before reuse. P405: Store locked up. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 3	Composition / Information on	Ingredients			
Chemical Name		CAS #	%	EINECS	
Sodium hydroxide		1310-73-2	96-100%	215-185-5	
Section 4	First Aid Measures				

INGESTION: MAY BE FATAL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SEVERE DAMAGE. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SEVERE BURNS. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Flood with water, taking care not to splash or scatter. Avoid carbon dioxide as it reacts exothermically with this material.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: Contact with metals can generate hydrogen gas. Contact with water produces intense heat and highly irritating and corrosive mist. Hot or molten material will react violently with water liberating heat and causing splashing. Contact with water may generate sufficient heat to ignite combustible materials.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Sodium hydroxide	STEL: C 2 mg/m ³	TWA: 2 mg/m ³	STEL: C 2 mg/m ³

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

	Physical & Chemical Pr	operties						
Odor: No odor. Odor threshold: D pH: 13.0 - 14.0 Melting / Freezing Boiling point: 139 Flash point: Not a	point: 318°C (604°F) 90°C (2534°F)	Flammability Explosion lim Vapor pressu Vapor density Relative dens	ate (=1): Not applicab (solid/gas): Data not av its: Lower / Upper: No re (mm Hg): 1 mm Hg @ r (Air = 1): Not applicable ity (Specific gravity): 2. : 29.6 @ 0°C (32°F) in v	ailable. : applicable.) 739°C 3. 13 @ 25°C (77°F)	Auto-igniti Decompos Viscosity: Molecular	on temperature:	anol / water): Data not Not applicable. :: Data not available.	availat
Section 10	Stability & Reactivity							
	id: Deliquescent material. Abs	orbs moisture fron			sodium carbo	nate.		
•	erials: Metals, acids, organic c nposition products: Sodium c		•	and explosive hyc	drogen gas.			
Section 11	Toxicological Information	on						
Germ cell mutage Carcinogenity: D NTP: No compone IARC: No compone OSHA: No compore STOT-single expo STOT-repeated ex Aspiration hazard Potential health e Inhalation: May be Ingestion: May be harm Eyes: Causes eye Signs and sympto	nt of this product present at levent of the product present at levent and the product present at levent of the product present at levent present	els greater than or vels greater than o evels greater than o extremely destructi auses skin burns. ns. ammation and ede	r equal to 0.1% is identifie or equal to 0.1% is identif ve to the tissue of the mu ma of the larynx, spasm,	ed as probable, pos ed as a carcinoger cous membranes a inflammation and e	ssible or confii n or potential o and upper res edema of the t	med human carcin carcinogen by OSF piratory tract. pronchi, pneumonit	łA. tis, pulmonary	
and upper respirate	ory tract, eyes, and skin. ation: RTECS #: WB4900000	-	breath, headache, hause	a, vomiting. Mater	rial is extreme	ly destructive to tis	sue of the mucous me	mbrane
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.