SDS No.: SS0600

Section 1 Chemical Product and Company Information	
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.
Product SODIUM HYDROXIDE, 0.1 MOLAR (0.1N) SOLUTION	
Synonyms Sodium Hydroxide, Water Solution (0.1M)	
Section 2 Hazards Identification	
<ul> <li>Signal word: WARNING</li> <li>Pictograms: None required</li> <li>Target organs: Respiratory tract, gastrointestinal tract, eyes, skin.</li> <li>GHS Classification:</li> <li>Skin irritation (Category 3)</li> <li>Eye irritation (Category 2B)</li> <li>GHS Label information: Hazard statement:</li> <li>H316: Causes mild skin irritation.</li> <li>H320: Causes eye irritation.</li> </ul>	Precautionary statement: P264: Wash hands thoroughly after handling. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313: If skin irritation occurs: Get medical advice/attention. P337+P313: If eye irritation persists: Get medical advice/attention.

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		
Water Sodium hydroxide		7732-18-5 1310-73-2	99.6% 0.4%	231-791-2 215-185-5		
Section 4	First Aid Measures					

**INGESTION:** 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 EYE IRRITATION. 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 MILD IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

## Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical, water spray, alcohol foam. Can react with carbon dioxide to form sodium carbonate.

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: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume. Contact with metals can generate hydrogen gas.

## 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: Absorb with inert dry material, 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 vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

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

Section 8	Exposure Controls / Personal Protection						
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)			
	Sodium hydroxide	STEL: C 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	STEL: C 2 mg/m <sup>3</sup>			

**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 misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9	Physical & Chemical Prope	rties						
	Not applicable. able. point: ~ 0°C (~ 32°F) [water] 00°C (212°F) [water]	Flammability Explosion lim Vapor pressu Vapor density Relative dens	ate (Water = 1): < 1 (solid/gas): Not applic: its: Lower / Upper: N re (mm Hg): 14 [water] (Air = 1): 0.7 [water] ity (Specific gravity): 1 : Complete in water.	ot applicable	Auto-igniti Decompos Viscosity: Molecular	ion temperature: N	Data not available.	ble
Section 10	Stability & Reactivity							
	id: Can react with carbon dioxide t	o form sodium		/ill not occur.				
•	erials: Metals, acids, organic comp		•	a and avalaaiya by	Irogon goo			
nazaruous uecon	position products: Sodium oxide			e and explosive hyd	nogen gas.			
Section 11	Toxicological Information							
Carcinogenity: D NTP: No compone IARC: No compone OSHA: No compore Reproductive toxi STOT-repeated expo STOT-repeated expo STOT-repeated expo STOT-repeated expo STOT-repeated expo STOT-repeated expo STOT-repeated expo Aspiration hazard Potential health e Inhalation: No data Ingestion: No data Skin: Causes sirita Eyes: Causes sirita Eyes: Causes sing Signs and sympto Specific data is not Additional inform	nt of this product present at levels g ent of this product present at levels in tof this product present at levels icity: Data not available sure: Data not available gosure: Data not available I: Data not available I: Data not available ffects: a available for this dilution. available for this dilution.	greater than o greater than o ntact. ur knowledge t ocedures to m dium hydroxid	r equal to 0.1% is identif or equal to 0.1% is ident he chemical, physical a inimize potential hazard e]	ied as probable, pos fied as a carcinoge nd toxicological prop 5.	ssible or confi	rmed human carcin carcinogen by OSH	Ă.	on.
Toxicity to daphni Toxicity to algae: Persistence and d Mobility in soil: N	a and other aquatic invertebrates No data available legradability: No data available lo data available	Bioaccum PBT and	on EC50 - Daphnia - 40. nulative potential: No o /PvB assessment: No	38 mg/l - 48 h [Sodi lata available data available		]		
	ects: An environmental hazard can	not be exclude	ea in the event of unprof	essional handling of	aisposal.			
	Disposal Considerations uidelines are intended for the di- be different. Dispose of in accor							ocal
Section 14	Transport Information						ica disposal agency.	
UN/NA number: Hazard class: 8	UN1824 Shipping n	oup: II	•	le Quantity: 1,0 6 Guide # 154	00 lbs (454	kg) <b>Mari</b>	ne pollutant: No	
Section 15	Regulatory Information							
	red to be listed if the CAS number for the	e anhydrous forr TSCA	,		DSL	NDSL	WHMIS Classificat	tion
Compo			CERLCA (RQ)	RCRA code D002				E
Sodium hydroxide	(65 5011U)	Listed	1,000 lbs (454 kg)	0002	Listed	Not listed		L
Section 16	Additional Information							

## Section 16 Additional Information

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.