



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. SS 600
Effective Date May 4, 1999

SECTION V HEALTH HAZARD DATA

SS 600

Threshold Limited Value TWA (Ceiling limit for sodium hydroxide solid) is 2 mg/m³ (ACGIH 1992-93).

Effects of Overexposure May cause severe burns to skin, eyes and mucous membranes. Ingestion may cause burns to mouth, severe stomach pain, bloody diarrhea, vomiting and swelling of the throat. Inhalation of mist may cause mucous membrane irritation or burns, coughing, dyspnea or ulceration of nasal passages.

Emergency and First Aid Procedures
SKIN: Flush thoroughly with water, then wash with vinegar. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get immediate medical attention. **INGESTION:** If swallowed, if conscious, give several glasses of water to drink. Do **NOT** induce vomiting. Call a physician. If vomiting, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person. **INHALATION AS MIST:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid Keep container tightly closed. Absorbs carbon dioxide from air to form Sodium Carbonate.
	Stable	X	

Incompatibility (Materials to Avoid) Common metals and their alloys (See Section IV); acids and their anhydrides; easily oxidizable compounds.

Hazardous Decomposition Products May release toxic fumes of sodium oxide.

Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	
	X	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Neutralize spill with dilute Hydrochloric acid and flush to sewer with copious amounts of water. Wash spill area with soap and water.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.
Neutralize with dilute Hydrochloric acid and flush to sewer with copious amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be required in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear NIOSH/MSHA-approved respirator.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety goggles.
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Other Protective Equipment Smock, apron, goggles, face shield, proper gloves, ventilation hood, eye wash station.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool place away from acids or acid fumes. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.
Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.
Do not breathe mist.
Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 5	Date 5/4/99	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employees 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. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	SODIUM HYDROXIDE 0.1 M/ 0.1 N SOL'N.	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * Health 1 Fire 0 Reactivity 1
Chemical Synonyms	Sodium Hydroxide, Water Solution	
Formula	Mixture. See Section II.	
Unit Size	up to 4 Lt.	
C.A.S. No.	Mixture. See Section II.	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Hydroxide: (CAS No. 1310-73-2)	0.4%	See Section V.
Water: (CAS No. 7732-18-5)	99.6%	None established.

WARNING! CORROSIVE! MAY CAUSE IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H₂O = 1)	Approx. 1 at 20°C
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	99.6%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	Slightly less than 1.
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, colorless liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media Use water on fire involving this material.

SPECIAL FIREFIGHTING PROCEDURES

Wear chemical safety goggles. Flood with water, using care not to splatter or splash this material.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 154)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Will release flammable and explosive hydrogen gas when in contact with aluminum, lead, tin, zinc, and their alloys.

D.O.T. SODIUM HYDROXIDE SOLUTION, 8, UN 1824, PG II

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20