



**ALDON CORPORATION**

**MATERIAL SAFETY DATA SHEET**

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(716) 226-6177

MSDS No. AA 02  
Effective Date January 17, 1997

**SECTION V HEALTH HAZARD DATA**

**Threshold Limited Value** None assigned to this product. Toxicity data: Sodium metasilicate: acute orl-rat LD50: 800 g/kg.; dermal-rabbit: severe 250 mg/24 hr. Corrosive to eyes, skin, mucous membranes of the respiratory tract, mouth,

**Effects of Overexposure** throat, esophagus and stomach. Will cause tissue destruction and eye damage if not treated. Exposure to mist or spray may cause coughing, sneezing or other symptoms of upper respiratory tract irritation. Over-exposure may result in lung tissue damage due to corrosive effects. **SKIN:** Flush with cool water, while removing contaminated clothing. If irritation

**Emergency and First Aid Procedures** persists, contact physician. **EYES:** Immediately flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Flushing eyes within one minute is essential to achieve maximum effectiveness. Get immediate medical attention. **INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Contact a physician immediately. **INGESTION:** Do not induce vomiting. Drink large quantities of water to dilute stomach contents. Get prompt medical attention. Never give anything by mouth to an unconscious person.

**SECTION VI REACTIVITY DATA**

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Do not store in aluminum containers. Avoid contact with acids.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** This product is alkaline - avoid contact with acid materials. Prolonged contact with metals such as aluminum, tin, lead and zinc may produce flammable hydrogen gas.

**Hazardous Decomposition Products** Carbon monoxide and/or carbon dioxide, oxides of sulfur and nitrogen, unidentified organic compounds may be formed during combustion.

<b>Hazardous Polymerization</b>		<b>Conditions to Avoid</b>	Not applicable.
<b>May Occur</b>	<b>Will Not Occur</b>		
	X		

**SECTION VII SPILL OR LEAK PROCEDURES**

**Steps to be taken in case material is released or spilled** Contain and neutralize with a dilute acid or sodium bisulfate. Absorb spill with an inert dry material, sweep up and place in suitable container for proper disposal.

**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.

Dispose of in accordance with federal, state and local regulations.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

**Respiration Protection (Specify Type)** None needed during normal handling at room temperatures. However, if misty conditions prevail, use a ventilation hood or wear a NIOSH/MSHA approved respirator.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	No.
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	No.

**Protective Gloves** Rubber. **Eye Protection** Chemical safety goggles, face shield.

**Other Protective Equipment** Goggles and shield, lab coat, apron, proper gloves, eye wash station.

**SECTION IX SPECIAL PRECAUTIONS**

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place between 40°F and 120°F. Do not store in aluminum containers. Do not use aluminum fittings or transfer lines. Avoid contact with acids. 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.

Avoid contact with skin and eyes. Use adequate ventilation. Remove and wash contaminated clothing.

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

<b>Revision</b> No. 1	<b>Date</b> 1/17/97	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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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. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

**SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE**

<b>Product</b>	ALDON ALL PURPOSE CLEANER	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4  <b>HMIS *</b> Health 1 Fire 0 Reactivity 0
<b>Chemical Synonyms</b>	All purpose hard surface cleaner	
<b>Formula</b>	Mixture.	
<b>Unit Size</b>	up to 4 Lt.	
<b>C.A.S. No.</b>	Mixture.	

**SECTION II INGREDIENTS OF MIXTURES**

Principal Component(s)	%	TLV Units
Sodium metasilicate: (CAS No. 6834-92-0)	> 1.0	None established.
2-Propanol, 1-Butoxy: (CAS No. 5131-66-8)	> 1.0	None established.
Linear primary alcohol ethoxylate: (CAS No. 68439-46-3)	> 1.0	None established.
Sodium xylene sulfonate: (CAS No. 1300-72-7)	> 1.0	None established.
Potassium hydroxide: (CAS No. 1310-58-3)	> 1.0	C 2 mg/m3
Water: (CAS No. 7732-18-5)	> 80	None established.

**CAUTION! MAY CAUSE IRRITATION TO SKIN AND EYES.**

**SECTION III PHYSICAL DATA**

<b>Melting Point (°F)</b>	Freezes @ 0°C (32°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.034 @ 25°C
<b>Boiling Point (°F)</b>	Approx. 100°C (212°F)	<b>Percent Volatile by Volume (%)</b>	89%
<b>Vapor Pressure (mm Hg)</b>	0.6 mm @ 20°C (68°F)	<b>Evaporation Rate (n-Butyl Ac. =1)</b>	< 1
<b>Vapor Density (Air=1)</b>	4.56		
<b>Solubility in Water</b>	Complete.		
<b>Appearance &amp; Odor</b>	Green color, slightly hazy water-like liquid. Forms foam on shaking; mild odor.		

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (Method Used)</b>	Non-flammable.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
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**Extinguisher Media** Use any media suitable for extinguishing existing fire.

**SPECIAL FIREFIGHTING PROCEDURES**

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Fire or excessive heat may produce hazardous decompositions products.

D.O.T. **Non Regulated.**

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