



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. FF 285
Effective Date March 2, 1999

SECTION V HEALTH HAZARD DATA

FF 285

Threshold Limited Value

None established for this solution. (ACGIH 1992-93) as Isopropyl alcohol
TWA: 400 ppm; 983 mg/m³ STEL: 500 ppm; 1230 mg/m³ (ACGIH 1992-93)

Effects of Overexposure

May cause irritation to eyes and skin in sensitive individuals. Symptoms of overexposure may include central nervous system depression, cardiovascular and respiratory depression, and gastrointestinal irritation.

Emergency and First Aid Procedures

EYES: Flush with water for 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **SKIN:** Flush with water, then wash with soap and water. If irritation develops or persists, get medical attention. **INHALATION AS MIST:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If conscious, give water or milk to drink. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature, heat, spark or flame.
	Stable	X	

Incompatibility (Materials to Avoid)

None.

Hazardous

Decomposition Products

None.

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

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.

Flush down drain with copious amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

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

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

Protective Gloves	Rubber	Eye Protection	Chemical safety goggles.
-------------------	--------	----------------	--------------------------

Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves, ventilation hood and fire extinguisher.
----------------------------	---

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry, well ventilated area away from heat, sparks or flames. This material is similar to soap and may be irritating to the eyes. Wash thoroughly after handling.
---	--

Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
-------------------	---

Use with adequate ventilation.
Remove and wash contaminated clothing.

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

Revision	No. 2	Date	3/2/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
----------	-------	------	--------	----------	-----------------	-----------------------------	----

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

Product	Formula Z Cleaner
Chemical Synonyms	N/A
Formula	Mixture.
Unit Size	up to 4 Lt.
C.A.S. No.	Mixture.

CHEMTREC
800-424-9300
Day 716-226-6177

NFPA
HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

Health	1
Fire	1
Reactivity	0

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Isopropanol: CAS No. 67-63-0	5-10%	400 ppm
1-Butoxy-2-propanol: CAS No. 5131-66-8	5-10%	None established.
Sodium xylene sulfonate: CAS No. 1300-72-7	< 5%	None established.
Tetrapotassium pyrophosphate: CAS No. 7320-34-5	< 1%	None established.
Water: CAS No. 7732-18-5	75-80%	None established.
Linear alcohol surfactants; C ₁₁ -C ₁₅ : CAS No. 68131-40-8	< 5%	None established.

CAUTION! MAY BE HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H ₂ O = 1)	Approx. 1
Boiling Point (°F)	89-99°C (192-210°F)	Percent Volatile by Volume (%)	96.4%
Vapor Pressure (mm Hg)	15 @ 20°C (68°F)	Evaporation Rate (n-Butyl acetate = 1)	2.9
Vapor Density (Air=1)	2.07		
Solubility in Water	Completely.		
Appearance & Odor	Clear liquid; slight odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	95°C (203°F) T.C.C.	Flammable Limits in Air % by Volume as IPA	Lower	Upper
			2%	12%

Extinguisher Media	Use water, foam, dry chemical or CO ₂ (carbon dioxide).
--------------------	--

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing. Use water spray to cool containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS

A moderate explosion hazard occurs when this material is exposed to heat or flames. Fire or excessive heat may produce hazardous decomposition products.

D.O.T.	Non Regulated.
--------	----------------

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