



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. IX 233
Effective Date March 18, 1999

SECTION V HEALTH HAZARD DATA IX 233

Threshold Limited Value None established for 10% Isopropyl Alcohol in water. For Pure Isopropyl Alcohol: TWA 400 ppm (SKIN); 980 mg/m³ (AIR). Human, oral LDLo 2371 mg/kg.

Effects of Overexposure **INGESTION AND INHALATION:** Data is not available for this 10% solution of Isopropyl Alcohol. Large quantities of the vapor may cause flushing, headache, dizziness, mental depression, nausea, vomiting, narcosis, anesthesia, coma. **EYES:** Liquid may cause eye irritation. **SKIN:** Repeated contact may cause irritation and cracking.

Emergency and First Aid Procedures **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical assistance for serious exposure. **SKIN:** Flush with water. **EYES:** Flush with water for 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **INGESTION:** If swallowed, if conscious, give large amounts of water to drink and call physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizing materials may react vigorously with this alcohol solution.

Hazardous Decomposition Products	Thermal decomposition or burning will produce carbon dioxide and/or carbon monoxide.
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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.

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 an approved incinerator or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

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

Ventilation	Local Exhaust	None needed.	Special	No.
	Mechanical (General)	None needed.	Other	No.

Protective Gloves	Rubber for prolonged contact.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Lab coat, eye wash station, fire extinguisher, proper gloves.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool place away from oxidizing materials and fire hazards. Wash thoroughly after handling.

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

Remove and wash contaminated clothing.

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

Revision	No. 4	Date	3/18/99	Approved	Michael Raszeja	Chemical Safety Coordinator	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

Product	ISOPROPYL ALCOHOL, 10%
Chemical Synonyms	2-Propanol, Isopropanol
Formula	Mixture.
Unit Size	100 mL.
C.A.S. No.	Mixture.

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

Health	1
Fire	1
Reactivity	0

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Isopropyl Alcohol: (CAS No. 67-63-0)	10%	400 ppm (SKIN)
Water: (CAS No. 7732-18-5)	90%	None established.
WARNING! FLAMMABLE! MAY CAUSE EYE IRRITATION ON CONTACT.		

SECTION III PHYSICAL DATA

Melting Point (°F)	Below 0°C (32°F)	Specific Gravity (H ₂ O = 1)	Approx. 0.8
Boiling Point (°F)	85°-100°C (185°-212°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	33 mm @ 20°C (Pure IPA)	Evaporation Rate (Water = 1)	≤ 1
Vapor Density (Air=1)	2.1 (Pure IPA)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, colorless, mobile liquid; sweet mild odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	39.4°C (103°F) 10% IPA	Flammable Limits in Air % by Volume	Lower	Upper
		pure IPA	2%	12%
Extinguisher Media	Use any media suitable for extinguishing supporting fire.			

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use flooding amounts of water in early stages of fire.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 129)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Isopropyl Alcohol at a 10% water solution may ignite. May react with strong oxidizing materials. Flame may be invisible in daylight.

D.O.T. Isopropyl alcohol, (solution), 3, UN 1219, PG II

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