



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. SS 1050
Effective Date July 13, 1998

SECTION V HEALTH HAZARD DATA

SS 1050

Threshold Limited Value TWA: 400 ppm; 983 mg/m³. STEL: 500 ppm, 1230 mg/m³ (ACGIH 1992-93).
Human, oral LDLo 2371 mg/kg. Rabbit, skin LD50 16 mg/kg.

Effects of Overexposure **INHALATION:** Exposure to high concentrations (>400 ppm) may cause eye, nose, and throat irritation and excessively high concentrations may cause narcosis (drowsiness, sleepiness). **EYES:** Liquid may cause irritation. **SKIN:** Prolonged or repeated skin contact may cause irritation and drying, cracking and defatting of the skin. **INGESTION:** 100 mL. can be fatal.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air; observe for 30 minutes for intoxication signs. Get medical assistance for serious exposure. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Protect from light. Excessive temperatures, heat, spark and flame.
	Stable	X		

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

Hazardous Decomposition Products	Thermal decomposition or burning may produce nitrogen oxides, carbon monoxide and/or carbon dioxide.
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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 Remove all ignition sources. Provide adequate ventilation. This material is handled and disposed of as a flammable liquid. Absorb small spills on paper; evaporate isopropyl alcohol in an exhaust hood; burn paper after evaporation or flush down 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.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory use at room temperature. Work in fume hood if misty conditions prevail 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 glasses.
Other Protective Equipment	Goggles, lab coat, eye wash station, proper gloves, ventilation hood, fire extinguisher.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place away from strong oxidizing materials and fire hazards. 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.

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

Revision	No. 6	Date	7/13/98	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	SUDAN III, ALCOHOL SOLUTION
Chemical Synonyms	C.I. No. 26100, Oil Red
Formula	Mixture
Unit Size	up to 4 Lt.
C.A.S. No.	Mixture

3
1 0

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

NFPA
HAZARD RATING
LEAST SLIGHT MODERATE
0 1 2

Health	1
Fire	3
Reactivity	2

HMIS *
HIGH EXTREME
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sudan III: (CAS No. 85-86-9)	1%	None established.
Isopropyl Alcohol (2-Propanol): (CAS No. 67-63-0)	99%	400 ppm
NOTE: Carcinogenic Determination: Indefinite.		

DANGER! FLAMMABLE! MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. CAUSES EYE AND SKIN IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	Approx. -90°C (-130°F)	Specific Gravity (H ₂ O = 1)	Approx. 0.786 at 20°C
Boiling Point (°F)	82°C (180°F) (Isopropyl Alc.)	Percent Volatile by Volume (%)	99%
Vapor Pressure (mm Hg)	33 (Isopropyl Alc.)	Evaporation Rate (Ether = 1)	Greater than 1.
Vapor Density (Air=1)	2.1 (Isopropyl Alc.)		
Solubility in Water	Complete.		
Appearance & Odor	Red liquid; pleasant odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	53°F (12°C) cc	Flammable Limits in Air % by Volume	Lower	Upper
		IPA	2%	12%
Extinguisher Media	Water spray; dry chemical (ABC); carbon dioxide (CO ₂).			

SPECIAL FIREFIGHTING PROCEDURES

Wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

Auto-ignition Temperature: (Isopropyl Alcohol) 750°F (399°C)

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, or ignition sources at locations distant from material handling point. **CAUTION!** Flame may not be visible in daylight. Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. ISOPROPYL ALCOHOL, (SOLUTION), 3, UN 1219, PG II

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