



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. SS 1050  
Effective Date July 13, 1998

## SECTION V HEALTH HAZARD DATA

SS 1050

**Threshold Limited Value** TWA: 400 ppm; 983 mg/m<sup>3</sup>. STEL: 500 ppm, 1230 mg/m<sup>3</sup> (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

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Protect from light. Excessive temperatures, heat, spark and flame.
	<b>Stable</b>	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.

<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** 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.

## 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.

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

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety glasses.
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**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.

Keep away from heat, sparks, and flame. Keep container tightly closed when not in use. 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. 6	<b>Date</b> 7/13/98	<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>	SUDAN III, ALCOHOL SOLUTION
<b>Chemical Synonyms</b>	C.I. No. 26100, Oil Red
<b>Formula</b>	Mixture
<b>Unit Size</b>	up to 4 Lt.
<b>C.A.S. No.</b>	Mixture

	<b>CHEMTREC</b> 800-424-9300 Day 716-226-6177	<b>Health</b>	1
		<b>Fire</b>	3
		<b>Reactivity</b>	2
<b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4		<b>HMIS *</b> 0 1 2 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

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

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	53°F (12°C) cc	<b>Flammable Limits in Air % by Volume</b>	Lower	Upper
		IPA	2%	12%

**Extinguisher Media** Water spray; dry chemical (ABC); carbon dioxide (CO<sub>2</sub>).

**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