



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. FF 265
Effective Date March 1, 1999

SECTION V HEALTH HAZARD DATA FF 265

Threshold Limited Value TWA calculated-33 ppm; 66 mg/m³ (Air). Data for TWA computation taken from ACGIH 1992-93.

Effects of Overexposure May be fatal if swallowed. May be harmful by inhalation or skin absorption. To the best of our knowledge, this chemical mixture's physical and toxicological properties have not been thoroughly investigated. Exercise appropriate procedures to minimize potential hazards. Ethyl Alcohol causes dizziness, drowsiness, decreased reaction, euphoria, nausea, vomiting, staggering gait, and coma. Formaldehyde-May be fatal if swallowed. Contact with skin may cause allergic irritation. Strong irritant to skin, eyes and mucous membranes. Suspected carcinogen.

Emergency and First Aid Procedures
INGESTION: Do NOT give anything by mouth to an unconscious or very drowsy person. If conscious, have victim drink several glasses of water. Call physician or Poison Control Center immediately. Induce vomiting if advised by physician or Poison Control Center. **SKIN:** Flush with water. **INHALATION:** Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult. Obtain immediate medical attention. **EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperatures or heat.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizers.

Hazardous Decomposition Products When heated to decomposition, emits toxic fumes of carbon monoxide and/or carbon dioxide.

Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Remove all sources of ignition, provide adequate ventilation. For small spills, dilute with water and flush to sewer with copious amounts of water or absorb on vermiculite, paper, earth or other absorbent. Burn in an approved incinerator or open pit away from buildings and people.

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 contact with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) In the laboratory, work in a ventilation hood. Wear a NIOSH/MSHA approved respirator with organic canister.

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

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Smock, apron, eye wash station, ventilation hood, goggles, proper gloves.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool place away from strong oxidizers or fire hazards. Use with adequate ventilation. 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. Do not take internally. Avoid contact with skin and eyes. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.			
Revision No. 5	Date 3/1/99	Approved Michael Raszeja	Chemical Safety Coordinator MR

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SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	FORMALIN IN ALCOHOL PRESERVING FLUID	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * HEALTH FIRE REACTIVITY 3 3 1
Chemical Synonyms	All Purpose Fixative	
Formula	Mixture	
Unit Size	up to 4 Lt.	
C.A.S. No.	Mixture.	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Ethyl Alcohol (denatured): CAS No. 64-17-5.	72.5%	1000 ppm (Air).
Formaldehyde (as HCHO): CAS No. 50-00-0.	10%	2 ppm (Air).
DANGER! FLAMMABLE! POISON		
MAY BE FATAL IF SWALLOWED. IRRITANT.		

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezing point -80°C (-112°F) (Alc.)	Specific Gravity (H₂O = 1)	0.795 @ 20/20°C
Boiling Point (°F)	74.5-79.5°C (163-174°F) (Alc.)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	Ca 42 @ 68°F (Alc.)	Evaporation Rate (Ether =1)	4.1
Vapor Density (Air=1)	Ca 1.6 (Alcohol.)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white liquid; alcohol, formaldehyde odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	(70°F) 21°C TCC (Alcohol).	Flammable Limits in Air % by Volume	Alcohol	Lower	Upper
				About 3%	About 19%

Extinguisher Media Carbon dioxide (CO₂); dry chemical (ABC); water spray.

SPECIAL FIREFIGHTING PROCEDURES Evacuate personnel to an area of upwind direction. Wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

Contains: Denaturents
Methanol: CAS No. 67-56-1; Ethyl Acetate: CAS No. 141-78-6; Water: CAS No. 7732-18-5
Methyl Isobutyl Ketone: CAS No. 108-10-1; Rubber Hydrocarbon Solvent: CAS No. 64742-89-8
(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 127)

UNUSUAL FIRE AND EXPLOSION HAZARDS Vapors formed from this product may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge, or other ignition sources at location distant from 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.