



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. FF 269  
Effective Date March 5, 1998

## SECTION V HEALTH HAZARD DATA

FF269

### Threshold Limited Value

Methanol: STEL 250 ppm, 328 mg/m<sup>3</sup>

### Effects of Overexposure

Toxic effects are mainly those of irritation. If swallowed it causes violent vomiting and diarrhea which can lead to collapse. Frequent or prolonged exposure can cause hypersensitivity. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. If irritation occurs get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. Induce vomiting. Repeat until vomit fluid is clear. Get immediate medical attention. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature to cause evaporation.
	Stable		

Incompatibility (Materials to Avoid)	Strong acids, phenols, strong oxidizers, hydrochloric acid, ammonia, iodine, alkalis, tannin, iron products, gelatin, bisulfite.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce irritating formaldehyde vapor or carbon monoxide.
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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	Absorb spill with an inert dry material and place in a suitable container for disposal. Flush spill area with water. Wash with dilute ammonia solution to remove any residual odor.
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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.
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Dispose of in an approved incinerator equipped with an afterburner and scrubber or in an approved chemical landfill. If at-site treatment or disposal facility are not available, contract with a licensed waste disposal agency.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	For laboratory use work in fume hood or wear NIOSH/MSHA-approved cartridge respirator for organic vapors.
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Ventilation	Local Exhaust	Yes.	Special	No.
	Mechanical (General)	Yes.	Other	Adequate to maintain below exposure limit.

Protective Gloves	Rubber.	Eye Protection	Splash proof goggles or face shield.
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Other Protective Equipment	Lab coat, apron, goggles, gloves, eye wash station, ventilation hood, fire extinguisher.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. Keep away from heat and flame. Avoid breathing vapors or mist. Avoid contact with skin and clothing. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Remove and wash contaminated clothing before reuse.

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

Revision	No. 1	Date	3/05/98	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	FORMALIN 10% SOLUTION
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	Health	2
		Fire	0
		Reactivity	0
NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4		HMIS * 0 1 2 3 4	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Formaldehyde: (CAS No. 50-00-0)	3.70%	TWA: 0.3 ppm; 0.37 mg/m <sup>3</sup>
Methyl alcohol: (CAS No. 67-56-1)	1.2%	TWA: 200 ppm; 262 mg/m <sup>3</sup>
Water: CAS No. 7732-18-5)	95.1%	None established.

**WARNING! HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (68°F)	Specific Gravity (H <sub>2</sub> O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	95.1%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (water = 1)	Slightly < 1
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, colorless liquid; strong irritating aldehyde odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non Flammable	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Use water spray; dry chemical; foam; carbon dioxide (CO <sub>2</sub> ).				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing. Wear goggles if eye protection is not provided.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

In fire conditions, water may evaporate from this solution, which may cause hazardous decomposition products to be produced as dust or fume.

D.O.T. NON REGULATED

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