



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. MM 380  
Effective Date March 29, 1999

## SECTION V HEALTH HAZARD DATA

MM 380

### Threshold Limited Value

None established. (ACGIH 1992-93).  
Industrial Hygiene Guide 10 mg/m<sup>3</sup> for nuisance dust effect.

### Effects of Overexposure

**EYES:** Mechanical injury only. **SKIN CONTACT:** Mechanical injury only.  
**SKIN ABSORPTION:** Not absorbed. Low in hazard. **INGESTION:** Very low acute and chronic oral toxicity; LD50 (RAT) is greater than 10 grams/kg.  
**INHALATION:** See above (TLV).

### Emergency and First Aid Procedures

**EYES:** Immediately flush eyes with plenty of water for 15 minutes, occasionally lifting upper and lower eyelids. If irritation develops or persists, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **SKIN:** Wash thoroughly with soap and water. **INGESTION:** Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Strong oxidizing materials.
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Hazardous Decomposition Products	Thermal decomposition or burning will produce carbon dioxide and/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	Sweep up and place in a suitable container for disposal by burying or incinerator. Wash spill area with soap and water.
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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.  
Uncontaminated material may be disposed of in a sanitary landfill, or dispose of in an approved incinerator.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask or work in ventilation hood.		
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	None needed.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Eye wash station, goggles, lab coat, ventilation hood.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from oxidizers and fire hazards. Wash thoroughly after handling. Remove and wash contaminated clothing. Keep container tightly closed when not in use.
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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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Under certain conditions a fine dust of this material in air may cause a dust explosion when exposed to heat, sparks, and open flame.

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

Revision	No. 6	Date	3/29/99	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	METHYL CELLULOSE, POWDER	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4  <b>HMIS *</b> Health 0 Fire 0 Reactivity 0
Chemical Synonyms	Methocel®, Cellulose Methyl Ether	
Formula	Molecular weight 40,000 to 180,000 - methoxy group 25-33%	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	9004-67-5	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Methyl Cellulose, Powder	97%	None established.
Water: (7732-18-5)	2%	
Sodium Chloride: (CAS No. 7647-14-5)	1%	

**CAUTION! DUST IN AIR IS CAPABLE OF CREATING A DUST EXPLOSION. AVOID BREATHING DUST.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes on heating.	Specific Gravity (H <sub>2</sub> O = 1)	Data not listed.
Boiling Point (°F)	Decomposes on heating.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Forms dispersions. There is no sharp solubility limit.		
Appearance & Odor	White to slightly off-white free-flowing powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	Unknown	Lower	Upper
Extinguisher Media	Water fog; carbon dioxide (CO <sub>2</sub> ); dry chemical.				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Minimum explosive dust concentration is 0.03 oz./cu. ft. Similar to flour or grain dusts. Keep clouds of such dust away from possible ignition sources. Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

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