



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. AA 83
Effective Date February 17, 1999

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	AGAROSE	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>0</td> </tr> <tr> <td>Fire</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	0	Fire	1	Reactivity	0
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	0																	
Fire	1																	
Reactivity	0																	
Chemical Synonyms	N/A																	
Formula	N/A																	
Unit Size	up to 5 Kg.																	
C.A.S. No.	9012-36-6																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Agarose	100%	None established.
CAUTION! MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION.		

SECTION III PHYSICAL DATA

Melting Point (°F)	260°C (500°F)	Specific Gravity (H ₂ O = 1)	>1.0
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Insoluble in cold water, but soluble in boiling water; forms gells.		
Appearance & Odor	White to light tan powder. Characteristic bland odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume (NA)	Lower	Upper
Extinguisher Media	Water spray; dry chemical (ABC); carbon dioxide (CO ₂); foam.			

SPECIAL FIREFIGHTING PROCEDURES	In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.
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UNUSUAL FIRE AND EXPLOSION HAZARDS	Combustible dust. This material, like most organic materials when in powder form, is capable of creating a dust explosion. Slight fire hazard, when exposed to heat or flame; can react vigorously with oxidizing materials.
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D.O.T. **NON-REGULATED.**

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

SECTION V HEALTH HAZARD DATA AA 83

Threshold Limited Value None established (ACGIH 1992-93).

Effects of Overexposure May be harmful if swallowed, inhaled or absorbed through skin. May cause irritation on prolonged contact. Dust may cause eye irritation. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

SKIN: Flush thoroughly with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water, lifting upper and lower eyelids occasionally. 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. **INGESTION:** If conscious, rinse mouth with water. Call physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid) Strong oxidizers.

Hazardous Decomposition Products As with any other organic material, combustion will produce carbon dioxide and probably carbon monoxide, acrid smoke and fumes.

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 Recover for use if not contaminated. Sweep or vacuum up and place in a suitable container for disposal. **Wet spills:** Slippery. Dike spills to minimize contamination. Absorb with inert material. Sweep or scoop up. Flush with 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. Uncontaminated material may be disposed of in a sanitary landfill or dispose of in an approved incinerator equipped with an afterburner and scrubber.

SECTION VIII SPECIAL PROTECTION INFORMATION

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

Protective Gloves Not needed. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Goggles, eye wash station, proper gloves, lab coat, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Keep container closed to avoid moisture pick up. Store in a cool, dry place away from oxidizers and alkalis. 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. Avoid breathing dust. 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. 1	Date 2/17/99	Approved Michael Raszeja	Chemical Safety Coordinator	MR
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