MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: **Molecular Biology Agarose**
Cat. No: **MA 124**

Molecular Research Center, Inc.
5645 Montgomery Rd.
Cincinnati, Ohio 45212
USA 1-888-841-0900

Product Name: Molecular Biology Agarose
Chemical Formula: A formulation
Molecular Weight: A formulation

CERCLA RATINGS: N/A				
NFPA RATINGS: (scale 0-4)	Health=0	Fire=1	Reactivity=0	
HMIS RATINGS: (scale 0-4)	Health=0	Fire=1	Reactivity=0	PPE=C

CHEMTREC EMERGENCY NUMBER: Only in the event of an emergency involving a spill, leak, fire exposure or accident. USA: 1-800-424-9300; International: 1-703-527-3887

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2. COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS No	Percent
Agarose	9012-36-6	90 -100 %

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3. HAZARD IDENTIFICATION

ROUTES OF EXPOSURE:

Skin:	May cause skin irritation.
Ingestion:	No adverse effects expected. Very large ingestion may cause gastrointestinal upset due to gelation and bulking with possible constipation.
Inhalation:	Nuisance dust. May cause coughing and sneezing if inhaled in large amounts.
Eye:	No adverse effects expected but dust may cause eye irritation.

ACUTE EFFECTS: The chemical, physical and toxicological properties have not been thoroughly investigated.

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4. FIRST AID

EYE CONTACT: Check and remove contact lenses. Flush with water in an eyewash for at least 15 minutes, holding eyelids open.
Obtain medical attention if symptoms or discomfort persist.

SKIN CONTACT: In case of contact, immediately wash skin with soap and water. Wash contaminated clothing before use.

INGESTION: Do not induce vomiting unless directed to do so by medical personnel. If large amounts were swallowed, get medical advice.

INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty

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5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions.

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6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT FOR SPILL CONDITIONS: Remove sources of ignition. Ventilate area of leak or spill. Use gloves and other appropriate protective covering to avoid skin contact. Use chemical goggles, face shield, or other appropriate eye protection. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with adequate amounts of water.

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7. HANDLING AND STORAGE

Store in a cool, dry, ventilated area away from sources of heat or ignition. Protect from moisture. As with all chemicals of unknown hazardous effects, use good laboratory practice when handling this substance.

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8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

OSHA Permissible Exposure Limit (PEL): 15 mg/m^3 respirable fraction for nuisance dusts.

For routine operations wear safety glasses, dust mask, latex gloves and lab coat to avoid contact with eyes, skin and clothing. Use exhaust ventilation or other appropriate engineering controls to minimize airborne dusts levels. Keep bottle tightly closed.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White powder
Odor:	Odorless
Solubility:	Slightly soluble in water with heating.
Melting point:	86 - 90 C

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10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of use and storage.

INCOMPATIBILITIES: Strong oxidizing agents.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Toxic fumes of carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: May cause skin or eye irritation. Ingestion may be harmful. No LD50 / LC50 information found relating to normal routes of occupational exposure.

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12. ECOLOGICAL INFORMATION: No information found.

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13. DISPOSAL CONSIDERATIONS

Keep in sealed containers until final disposal. May be incinerated according to federal, state and local environmental regulations.

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14. TRANSPORT INFORMATION Not regulated.

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15. REGULATORY INFORMATION

Agarose	(9012-36-6)
TSCA 8(d):	No
EC:	Yes
SARA302/313:	No
SARA311/312:	Acute: No; Chronic: No
RQ:	No
CERCLA:	No
RCRA 261.33:	No

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16. OTHER INFORMATION

Reviewed by	BW, MJ
Creation date	6/10/98
Revision date	2/01/09

This information is believed to be accurate and represents the information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.
Abbreviations:

N/A	Not Applicable
N.D.A.	No data available
TLV-STEL	Threshold Limit Values (Short-Term Exposure Limit)
TLV-TWA	Threshold Limit Values (Time-Weighted Average)
OSHA PEL-TWA	OSHA Permissible Exposure Level