Material Safety Data Sheet

Widter Idi	Dately Data Sheet			
Section 1. Pr	roduct and Company Identification			
Product Name	Agarose SFR	Product Code	2082	
Manufacturer	EMD Chemicals Inc. P.O. Box 70 480 Democrat Road Gibbstown, NJ 08027 Prior to January 1, 2003 EMD Chemicals Inc. was EM Industries, Inc. or EM Science, Division of EM Industries, Inc.	Effective Date	7/11/200)3
		Print Date	5/14/200	04
For More Information Call 856-423-6300 Technical Service Monday-Friday: 8:00 AM - 5:00 PM		In Case of Emergency Call 800-424-9300 CHEMTREC (USA) 613-996-6666 CANUTEC (Canada) 24 Hours/Day: 7 Days/Week		
Material Uses	Analytical reagent.			
Chemical Family	Polysaccharide			
Section 2. C	omposition and Information on Ingredients			
Component		C	AS#	% by Weight
AGAROSE		90)12-36-6	100
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Section 3. Hazards Identification		
Physical State and Appearance	Solid. (Crystalline granules solid.)	
Emergency Overview	CAUTION! Handling care generally in keeping with safe laboratory practices is recommended.	
Routes of Entry	Inhalation. Ingestion.	
Potential Acute Health E	Effects	
Eyes No known acute effects of this product resulting from eye contact.		
Skin No known acute effects of this product resulting from skin contact.		
Inhalation No known acute effects of this product resulting from inhalation.		
Ingestion No known acute effects of this product resulting from ingestion.		
Potential Chronic Health Effects		
Carcinogenic Effects This material is not known to cause cancer in animals or humans.		

Additional information See Toxicological Information (section 11) Repeated or prolonged exposure is not known to aggravate medical condition.

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Medical Conditions Aggravated by Overexposure:

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Section 4. First Aid Measures				
Eye Contact	Check for and remove any contact lenses. In case of contact, plenty of water for at least 15 minutes. Cold water may be used.			
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.			
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respi give oxygen. Get medical attention.	ration. If breathing is difficult,		
Ingestion	Do NOT induce vomiting unless directed to do so by medical per by mouth to an unconscious person. If large quantities of this n physician immediately. Loosen tight clothing such as a collar, tie,	naterial are swallowed, call a		
Section 5. Fire Fig	hting Measures			
Flammability of the Product	May be combustible at high temperature.			
Auto-ignition Temperature	Not available.			
Flash Points	Not available.			
Flammable Limits	Not available.			
Products of Combustion	These products are carbon oxides (CO, CO2).			
Fire Hazards in Presence of Various Substances	Not available.			
Explosion Hazards in	Risks of explosion of the product in presence of static discharge: No.			
Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: No.			
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet	t.		
Protective Clothing (Fire)	Be sure to use an approved/certified respirator or equivalent.			
Special Remarks on Fire Hazards	Not available.			
Special Remarks on Explosion Hazards	Not available.			
Section 6. Accide	ntal Release Measures			
Small Spill and Leak	Use appropriate tools to put the spilled solid in a convenient waste	disposal container.		
Large Spill and Leak	Use a shovel to put the material into a convenient waste disposal of	container.		
Spill Kit Information	No specific spill kit required for this product.			

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Section 7. Handling and Storage

Handling Avoid breathing dust. Do not ingest.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Eyes Safety glasses.

Body Lab coat.

Respiratory Not applicable.

Hands Not applicable.

Feet Not applicable.

Protective Clothing (Pictograms)



Personal Protection in Case of a Large Spill

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name Exposure Limits

AGAROSE Not available.

Section 9. Physical and Chemical Properties

Odor	Not available.
Color	White to yellowish.
Physical State and Appearance	Solid. (Crystalline granules solid.)
Molecular Weight	Not available.
Molecular Formula	(C12H14O5(OH)4)n
рН	Not available.
Boiling/Condensation Point	Not available.
Melting/Freezing Point	Not available.
Specific Gravity	Not available.
Vapor Pressure	Not available.
Vapor Density	Not available.
Odor Threshold	Not available.
Evaporation Rate	Not available.

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LogKow Not available.

Soluble in water. **Solubility**

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Conditions of Instability Not available.

Incompatibility with Various Substances

Reactive with oxidizing agents.

Rem/Incompatibility Not available.

Hazardous Decomposition Not available.

Products

Hazardous Polymerization Will not occur.

Section 11. Toxicological Information

RTECS Number: Not available. Agarose

Toxicity LD₅₀: Not available. LC50: Not available.

Chronic Effects on

Humans

Not available.

Acute Effects on Humans Not available.

Synergetic Products (Toxicologically)

Not available.

Irritancy Draize Test: Not available.

Sensitization Not available.

Carcinogenic Effects This material is not known to cause cancer in animals or humans.

Toxicity to Reproductive

System

Not available.

Teratogenic Effects Not available.

Mutagenic Effects Not available.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and **COD** Not available.

Toxicity of the Products of The product itself and its products of degradation are not toxic.

Biodegradation

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Section 13. Dispo	osal Considerations	
EPA Waste Number	Not available.	
Treatment	Material does not have an EPA Waste Number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.	
Section 14. Tran	sport Information	
DOT Classification	Proper Shipping Name: CHEMICALS, N.O.S. RQ: Not applicable.	
TDG Classification	Not available.	
IMO/IMDG Classification	Proper Shipping Name: CHEMICALS, N.O.S. RQ: Not applicable.	
ICAO/IATA Classification	Proper Shipping Name: CHEMICALS, N.O.S. RQ: Not applicable.	
Section 15. Regu	ulatory Information	
U.S. Federal Regulations	TSCA 8(b) inventory: AGAROSE SARA 302/304/311/312 extremely hazardous substances: SARA 302/304 emergency planning and notification: No prospective SARA 302/304/311/312 hazardous chemicals: No products SARA 311/312 MSDS distribution - chemical inventory - hazardous. SARA 313 toxic chemical notification and release reporting Clean Water Act (CWA) 307: No products were found.	oducts were found. s were found. zard identification: No products were

Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found. Not controlled under WHMIS (Canada). WHMIS (Canada) CEPA DSL: AGAROSE This product has been classifed in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information. **International Regulations AGAROSE EINECS** 232-731-8 This product is not classified according to the EU regulations. DSCL (EEC) International Lists Australia (NICNAS): AGAROSE Korea (TCCL): AGAROSE Philippines (RA6969): AGAROSE China: No products were found. **State Regulations** No products were found.

California prop. 65: No products were found.

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Section 16. Other Information

National Fire Protection Association (U.S.A.)



Specific Hazard

Changed Since Last Revision



Notice to Reader

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