**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: Agar

CAS Numbers: 73020-7100

For information, call: 201-786-7100

For CHEMTREC assistance, call: 800-424-9300

For International CHEMTREC assistance, call: 703-527-3887

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#   Chemical Name   % of Total
9003-18-0   Agar   100  233-058-1

Hazard Symbols: None Listed.
Risk Phrases: None Listed.

**** SECTION 3 - HAZARDS IDENTIFICATION ****

Appearance: Light beige solid.

Caution: This is expected to be a low hazard for usual industrial handling. May cause respiratory and digestive tract irritation.

Target Organs: None known.

Potential Health Effects:
Eyes: May cause mechanical irritation.
Skin: May cause skin irritation. Low hazard for usual industrial handling.
Inhalation: May cause respiratory tract irritation. Low hazard for usual industrial handling.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid if necessary.
Skin: Rinse skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give 2-4 cupsfuls of milk or water. Get medical aid if irritation or symptoms persist.
Notes to Physician: Use medical aid if cough or other symptoms appear.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand. NSHA/NIOSH approved or equivalent, and full protective fire suits. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This chemical instability and reduced particle size is capable of creating a dust explosion.

Extinguishing Media: Water spray, dry chemical, or chemical foam. Use agent most appropriate to extinguish fire.

Autolignition Temperature: Not applicable
Flash Point: Not applicable
Explosion Limits, lower: Not applicable
Explosion Limits, upper: Not applicable
NFPA Rating: Health: 1. Flammability: 0. Instability: 0

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean spills with a suitable protective equipment section. Avoid generating dusty conditions. Provide ventilation.

**** SECTION 7 - HANDLING AND STORAGE ****

Handling: Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation. Wash clothing before reuse.

Storage: Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

OSHA Vacated PELs:

No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment:

Eyes: Wear appropriate protective eyewears or chemical safety goggles as prescribed by OSHA and eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective clothing to minimize contact with skin.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Solid
Color: Light beige
Odor: Odorless
Vapor Pressure: Not available
Vapor Density: Not available
Acute Toxicology: Not available
Inhalation Toxicity: Not available
Decomposition Temperature: Soluble in water
Specific Gravity/Density: 0
Molecular Formula: Mixture
Molecular Weight: 0

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: Unspecified
**SECTION 11 - TOXICOLOGICAL INFORMATION**

RTBCS: CAS#: 9002-18-0: AW7950000
LD50/LC50: 
- CAS#: 9002-18-0: Oral, mouse: LD50 = 16 mg/kg; Oral, rat: LD50 = 800 mg/kg.
- CAS#: 9002-18-0: Oral, rabbit: LD50 = 11 mg/kg.

Carcinogenicity:
- Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Teratogenicity:
- No information available.

Reproductive Effects:
- No information available.

Neurotoxicity:
- No information available.

Mutagenicity:
- No information available.

Other Studies:
- See actual entry in RTECS for complete information.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Current EPA guidelines are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.
RCRA U-Series: None listed.

**SECTION 14 - TRANSPORT INFORMATION**

US DOT: No information available.
Canadian TDG: No information available.

**SECTION 15 - REGULATORY INFORMATION**

US FEDERAL:

TSCA: CAS#: 9002-18-0 is listed on the TSCA inventory.

Health & Safety Reporting List:
- None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules:
- None of the chemicals in this product are under a Chemical Test Rule.

Section 12b:
- None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule:
- None of the chemicals in this material have a SNUR under TSCA.

SARA:

CERCLA Hazardous Substances and corresponding RNs:
- None of the chemicals in this material have an RN.

SARA Section 302 Extremely Hazardous Substances:
- None of the chemicals in this product have a TPQ.

Section 113:
- None of the chemicals are reportable under Section 113.

Clean Air Act:
- This material does not contain any hazardous air pollutants.

Clean Water Act:
- None of the chemicals in this product are listed as Hazardous Substances under the CWA.

OSHA:
- None of the chemicals in this product are considered highly hazardous by OSHA.

STATE:
- Agar is not present on state lists from CA, PA, MN, MA, FL, or NJ.