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SDA/LMDA MATERIAL SAFETY DATA SHEET

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SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: SDA
PRODUCT CLASS: proprietary mixture

CHEMICAL NAME: N/A
CAS NO: As listed below

SECTION II – INGREDIENTS

Chemical Identity	CAS	Common Name	OSHA PEL	ACGIH TLV
Agar	9002-18-0	N/A	15 mg/m ³	10 mg/m ³ 5 mg/m ³
Bromcresol green	76-60-8	N/A*		
Calcium carbonate	471-34-1	N/A*		
Calcium pantothenate	137-08-6	N/A		
Citric acid	5949-29-1	N/A*		
Peptonized milk	N/A*	N/A*		
Tomato juice broth	N/A*	N/A*		
Tween 80	9005-65-6	N/A*		

Limits on dust from all ingredients are the same and are based on nuisance particulate values for total and respirable dust.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (@ATM): N/A* **Specific Gravity** (H₂O=1): N-A **Vapor Pressure** (mm Hg): N/A*
Melting Point: N-A **Vapor Density** (air=1): N/A* **Evaporation Rate**: N/A*
Water Solubility: Mostly soluble in hot water. Forms gel on cooling
Appearance and Odor: Light green fine powder

SECTION IV – FIRE & EXPLOSION HAZARD DATA

Flash Point (°F) (Method Used): N/A* **Flammable Limits**: N/A **Lower**: N/A* **Upper**: N/A*
Extinguishing Media: No special requirements; water carbon dioxide or foam
Unusual Fire and Explosion Hazards: Product is shipped in pulverized form and may generate dust in handling. Like most dry organic materials, the dust carries a potential explosion hazard if the concentration in the air is too high and an ignition source is present.
Special Fire fighting Procedures: Wear self-contained positive pressure breathing apparatus and full firefighting clothing. Materials will form a slippery solution if it becomes dissolved in hot water during fire.

SECTION V – REACTIVITY DATA

Stability: Stable **Hazardous Decomposition or By-products**: Will form acrid smoke in fire.
Conditions to Avoid: Fire, excess heat **Hazardous Polymerization**: None
Incompatibilities: Strong oxidizing agents

SECTION VI – HEALTH HAZARD DATA**Health hazards (Acute & Chronic):**

Inhalation: Exposure to dust may cause an immunogenic response to occur in some individuals.

Skin Contact: May cause irritation following direct contact.

Eye Contact: May cause irritation and sensitization following direct contact

Ingestion: To the best of our knowledge, there is no evidence that amounts ingested incidental to normal use could result in significant adverse health effects.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs & Symptoms of Exposure: Possibly allergic type symptoms or skin/eye irritation

Medical Conditions Generally Aggravated by Exposure: May aggravate asthma, atopy

Emergency & First Aid Procedures: Remove from exposure; seek medical attention if allergenic response is exhibited. For skin contact, wash with water; for eye contact, flush with water. Consult a physician if adverse health effects persist.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in Case Material is released or spilled: Vacuum or scoop spillage. Small amounts may be flushed to sewer.

Waste Disposal Method: May be disposed of by discarding into a landfill in accordance with federal, state and local regulations.

Precautions to be taken in Handling and storing: Avoid generation of dust. Avoid exposing skin and eyes. Material is hygroscopic; keep well sealed.

Other Precautions: Thoroughly wash any skin area exposed to the product during handling. Wash clothing after handling. Material may cause skin irritation if not washed away.

SECTION VIII – CONTROL MEASURES

Respiratory Protection: If dust cannot be avoided, use NIOSH/OSHA approved respiratory protection

Ventilation: Local exhaust sufficient to keep work area well ventilated or use in hood.

Protective Gloves: Recommended

Eye Protection: Safety goggles

Other Protective Equipment: N/A*

Work/Hygienic Practices: Maintain good housekeeping/GMP. Follow practices sufficient to avoid inhalation of and skin and eye contact with material.

N/A* = NOT APPLICABLE

N-A = NOT AVAILABLE

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