



MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information

| | | | |
|----------------------------------|--|-----------------------------|-----------------------|
| Product Name or Identity: | Buffered Listeria Enrichment Supplement | | |
| Manufacturer's Name: | Acumedia Manufacturers, Inc. | Emergency Phone No.: | 517/372-9200 |
| | 740 East Shiawassee | Fax No.: | 517/372-0108 |
| | Lansing, Michigan 48912 | e-mail: | foodsafety@neogen.com |
| Date Prepared or Revised: | November 2009 | | |

Section 2. Composition / Information on Hazardous Ingredients

| Hazardous Components Specific Chemical Identity: | CAS-No. | % | EC-Number | Hazard Symbol |
|---|----------------|----------|------------------|----------------------|
| This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC | N/A | N/A | N/A | N/A |

Section 3. Health Hazard Identification

| | | | |
|---|--|--------------------|----------------|
| Route(s) of Entry: | Inhalation? Yes | Skin? Yes | Ingestion? Yes |
| Health Hazards: (Acute and Chronic) | No irritating effect. When used and handled according to specifications, the product does not have harmful effects according to the information provided to us. May cause minor irritation of the eyes and skin. | | |
| Carcinogenicity: | IARC Monographs? No | OSHA Regulated? No | |
| No irritating effect. When used and handled according to specifications, the product does not have harmful effects according to the information provided to us. May cause minor irritation of the eyes and skin. Do not ingest. | | | |
| Medical Conditions Generally Aggravated by Exposure: No aggravating effects known. | | | |

Section 4. First Aid Measures

| | |
|--|--|
| Emergency / First Aid Procedures: | General Information: Immediately remove contaminated clothing. Show physician product label. |
| | Ingestion: If swallowed, wash out mouth with water, provided person is conscious. Never give anything by mouth to an unconscious person. Seek medical attention. |
| | Inhalation: If inhaled, supply fresh air or oxygen. Seek medical attention. |
| | Eye Contact: Rinse opened eye for at least 15 minutes under running water, lifting lower and upper eyelids occasionally. Seek medical attention. |
| | Skin Contact: Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention if irritation develops. |

Section 5. Fire and Explosion Hazard Data

| | | |
|---|------------------------------|-----------------|
| Flash Point : N/A | Flammable Limits: N/A | UEL: N/A |
| Extinguishing Media: Use water spray, Carbon dioxide, dry chemical powder, or appropriate foam. | | |
| Special Fire Fighting Procedures: Firefighters should wear protective equipment and self-contained breathing apparatus. The product itself does not burn. | | |
| Unusual Fire and Explosion Hazards: During heating or in case of fire, poisonous gases are produced. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. | | |



Section 6. Accidental Release Measures

Personal Precautions: Shut off all sources of ignition, ventilate spill area. Consider need for evacuation. Wear suitable protective clothing, gloves, and eye protection. Avoid inhalation and contact with skin and eyes. Wear self-containing breathing apparatus, rubber boots, and heavy rubber gloves. Place contaminated material in a chemical waste container.

Environmental Precautions: Prevent dispersion of material. Do not allow to enter drains or water courses.

Clean-up Methods: Contact safety officer and ventilate area. Absorb spill with inert material, including dry-lime, sand, or soda ash, then place into a chemical waste container using non-sparking tools. Wash spill site after material pickup is complete.

Section 7. Handling and Storage

Handling: Ensure good ventilation / exhaustion and do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Do not use if skin is cut or scratched.

Storage: Keep container tightly closed, protect from light, moist air, and steam. Store away from oxidizing agents. Keep away from heat, sparks, and open flame. Storage area should be 2-8°C, dry, and away from incompatible materials. Containers of this material may be hazardous when empty since they retain product residues.

Section 8. Exposure Controls / Personal Protection

OES: N/A

ACGIH TLV: N/A

Engineering Measures: Do not use compressed air by filling, discharging or handling the product. Proper ventilation, safety shower, and eye bath required. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Respiratory Protection (Specify Type): With sufficient ventilation, breathing apparatus is not necessary. In the event of possible spill / exposure use dusk mask to (US) N95 or type P1 (EN 143) dust masks.

Ventilation:

Local Exhaust: 50 – 100 CFM

Special: Safety shower and eye wash.

Protective Gloves: Compatible chemical-resistant gloves.

Eye Protection: Safety glasses or chemical goggles to EN 166, 167, and 168.

Other Protective Clothing or Equipment: Uniform, lab coat, or disposable lab wear.

Work / Hygienic Practices: Follow the usual precautionary measure for handling chemicals / powder. Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Avoid contact with eyes, skin, and clothing.

Section 9. Physical and Chemical Properties

Boiling Point: N/A

Specific Gravity: N/A

Vapor Pressure (mm Hg.): N/A

Melting Point: N/A

Vapor Density (AIR = 1): N/A

Solubility in Water: N/A

Appearance and Odor: Gold-Yellow homogenous dried crystals, low to no odor

Section 10. Stability and Reactivity

Stability:

Unstable

Stable

X

Conditions to Avoid: Moisture, stable under normal storage conditions.

Incompatibility (Materials to Avoid): Strong oxidizing agents and strong bases.

Hazardous Decomposition or Byproducts: Potassium oxides, Carbon monoxide, Carbon dioxide, Nitrogen oxides, and strong oxidizing agents. Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine.

Hazardous Polymerization:

May Occur

Will Not Occur

X

Conditions to Avoid: Moisture and incompatible materials.

**Section 11. Toxicological Information**LD₅₀: N/A**Section 12. Ecological Information**

Ecotoxicity Tests: N/A

Section 13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with all applicable federal, state, and local environmental regulations. If any questions arise, contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Container Information: Do not remove labels from containers.

Section 14. Transport Information

DOT Regulations: Not Regulated

Land Transport ADR/RID (cross border): Not Regulated

Maritime Transport IMDG: Not Regulated

Marine Pollutant: Not defined

Air Transport ICAO-TI and IATA-DGR: Not Regulated

This product is not regulated for transportation

Section 15. Regulatory Information

EU Regulations N/A

Hazard Symbol(s): N/A

Section 16. Other Information

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Acumedia Manufacturer, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.