



MATERIAL SAFETY DATA SHEET

| Section I – Product Information | | | |
|----------------------------------|------------------------------|----------------------------|-----------------------|
| Product Name or Identity: | PPLO Broth W/O CV | | |
| Manufacturer's Name: | Acumedia Manufacturers, Inc. | Emergency Phone No. | 517/372-9200 |
| | 740 East Shiawassee | Fax No.: | 517/372-2006 |
| | Lansing, Michigan 48912 | e-mail: | foodsafety@neogen.com |
| Date Prepared or Revised: | 10/11/04 | | |

| Section II – Hazardous Ingredients / Identity Information | | | |
|--|--|---|--|
| Hazardous Components: (Specific Chemical Identity: Common Names) | OSHA PEL (Permissible Exposure Limits) | ACGIH TLV (Threshold Limit Value) | Toxicity Data LD₅₀ |
| Sodium Chloride, NaCl, Common salt | N/A | N/A | ORL-RAT 3000 mg/kg |
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| Section III – Physical Characteristics | |
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| Boiling Point: 1413°C | Specific Gravity (H ₂ O = 1): 2.16 g/cm ³ |
| Vapor Pressure (mm Hg.): 1.0 @ 865°C | Melting Point: 804°C |
| Vapor Density (AIR = 1): N/A | Evaporation Rate (Butyl Acetate = 1): N/A |
| Solubility in Water: 35.7 g/100g at 0°C | |
| Appearance and Odor: Colorless crystals or white powder. Characteristic odor. | |

| Section IV – Fire and Explosion Hazard Data | |
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| Flash Point (<i>Method Used</i>): Not applicable | Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A |
| Extinguishing Media: Suitable extinguishing agents. CO ₂ , extinguishing powder, or water spray. | |
| Special Fire Fighting Procedures: Fight larger fires with water or alcohol resistant foam. Firefighters should wear protective equipment and self-contained breathing apparatus. | |
| Unusual Fire and Explosion Hazards: During heating or in case of fire, poisonous gases are produced. | |

| Section V – Reactivity Data | | | |
|---|----------------|---|---|
| Stability: | Unstable | | Conditions to Avoid: Stable under ordinary conditions of use and storage. Hygroscopic. |
| | Stable | X | |
| Incompatibility (<i>Materials to Avoid</i>): Reacts with acids, alkalis, oxidizing agents, Lithium, and Bromine trifluoride. | | | |
| Hazardous Decomposition or Byproducts: When heated to above 801°C it emits toxic fumes of chloride and sodium oxide. | | | |
| Hazardous Polymerization: | May Occur | | Conditions to Avoid: Incompatible materials. |
| | Will Not Occur | X | |

| Section VI – Health Hazard Data | | | |
|---|---|--|--------------------|
| Route(s) of Entry: | Inhalation? Yes | Skin? Yes | Ingestion? Yes |
| Health Hazards: (Acute and Chronic) | Irritant. Irritating to eyes, respiratory system, and skin. | | |
| Carcinogenicity: | NTP? No (National Toxicology Program) | IARC Monographs? No (International Agency for Research in Cancer) | OSHA Regulated? No |
| Signs and Symptoms of Exposure: Irritant to skin and mucous membranes. Irritating effect to eye. | | | |
| Medical Conditions Generally Aggravated by Exposure: No sensitizing effects known. If large doses can cause vomiting, diarrhea, and prostration. | | | |
| Emergency / First Aid Procedures: | Ingestion: If swallowed, seek medical attention. | | |
| | Inhalation: Supply fresh air or oxygen. Seek medical attention. | | |
| | Eye Contact: Rinse opened eye for at least 15 minutes under running water. Seek medical attention. | | |
| | Skin Contact: Wash with plenty of soap and water for 15 minutes. Generally this product does not irritate the skin. | | |

| Section VII – Precautions for Safe Handling and Use | |
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| Accidental Release Measures: Ventilate spill area. Wear suitable protective clothing. Wipe up with damp sponge or mop. Remove contaminated clothing. | |
| Waste Disposal Method: Dispose in accordance with all applicable federal, state, and local environmental regulations. | |
| Handling and Storing: Keep container tightly closed. Protect from moisture. Suitable for any general chemical storage area. Store away from oxidizing agents. | |
| Other Precautions: Prevent formation of dust. Ensure good ventilation / exhaustion at the workplace. Avoid prolonged or repeated exposure. | |

| Section VIII – Control Measures | | |
|---|-----------------------------|---|
| Respiratory Protection (Specify Type): None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask. | | |
| Ventilation: | Local Exhaust: 50 – 100 CFM | Special: N/A |
| | Mechanical (General): N/A | Other: N/A |
| Protective Gloves: Proper disposable gloves | | Eye Protection: Chemical resistant safety goggles |
| Other Protective Clothing or Equipment: Uniform, lab coat, or disposable lab wear. | | |
| Work / Hygienic Practices: Follow the usual precautionary measures for handling chemicals / powder. Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Avoid contact with eyes, skin, and clothing. | | |

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