1. Chemical Product and Company Identification

Product Name: R & F® Listeria sp./Listeria monocytogenes Supplement for Chromogenic Plating Medium

Cat. Number(s): M-1110
Product type: Bacteriological Supplement

Company Identification: R & F Products, Inc.
Contact: Phone USA
2725 Curtiss Street
Downers Grove, IL 60515
Emergency Contact: 630-969-5300

2. Hazard Identification

GHS - Classification
Signal Word
Not Hazardous

Potential Health Effects
Eyes - May cause eye irritation with susceptible persons
Skin - May cause skin irritation in susceptible persons.
Inhalation - May be harmful by inhalation.
Ingestion - May be harmful if swallowed.

Health Hazards
Not Hazardous

Physical Hazards
Not Hazardous

3. Chemical Characterization

<table>
<thead>
<tr>
<th>Chemical(s)</th>
<th>%</th>
<th>CAS NO.</th>
<th>EC Number</th>
<th>Symbol</th>
<th>R-phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bovine Serum</td>
<td>48.9</td>
<td>9048-46-8</td>
<td>N/AP</td>
<td>Complex Natural Protein</td>
<td>N/AP</td>
</tr>
<tr>
<td>Ceftazidime Pentahydrate</td>
<td>0.6</td>
<td>78439-06-2</td>
<td>N/AP</td>
<td>N/AV</td>
<td>N/AP</td>
</tr>
<tr>
<td>5-Bromo-4-Chloro-3-Indoxyl-inositol-1-Phosphate</td>
<td>4.6</td>
<td>N/AV</td>
<td>N/AV</td>
<td>C14H16BrClNO9P·NH3</td>
<td>N/AP</td>
</tr>
<tr>
<td>Titanium (IV) oxide</td>
<td>45.9</td>
<td>1317-70-0</td>
<td>215-280-1</td>
<td>Ti02</td>
<td>N/AP</td>
</tr>
</tbody>
</table>
4. First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

**Skin contact:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

**Eye contact:** In case of contact with eyes, flush with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Safety Phrases:**
N/AP

5. Fire Fighting Measures

**Extinguishing media:** Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. Suitable for surrounding fire

**Special Fire Fighting Procedures:** N/AV

**Unusual Fire and Explosion Hazards:** Emits toxic fumes under fire conditions.

6. Accidental Release Measures

**Instructions:** Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and Storage

**Handling:** Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

**Storage:** Keep tightly closed and store at -10°C or below.

8. Exposure Controls/ Personal Protection

**Safety shower and eye bath.** NIOSH/MSHA-approved respirator. Compatible chemical-resistant gloves. Chemical safety goggles. Wash contaminated clothing before reuse. Wash thoroughly after handling.

9. Physical and Chemical Properties

**Physical state:** Powder free flowing, homogenous

**Color:** White to tan crystals

**Solubility:** In water at room temperature

**Flash Point:** N/AV

**Boiling Point:** N/AV
10. Stability and Reactivity

Stable under normal conditions.


Hazardous decomposition products – Not under normal use conditions.

11. Toxicological Information

May be harmful by inhalation, ingestion, or skin absorption. To the best of our knowledge the toxicological properties have not been thoroughly investigated.

12. Ecological Information

RTECS: Titanium oxide BV6550000

13. Disposal Considerations

Collect for recycling or recovery if possible. The disposal method for rejected products/returned goods must ensure that they cannot be re-sold or re-used.

Observe all local and national regulations when disposing of this product.

14. Transportation Information

Transportation and shipping of this product is not restricted. It has no known, significant hazards requiring special packaging or labeling for air, maritime, US or European ground transport purposes.
15. Regulatory Information
SARA 311/312/302 -- This product complies. Hazard class: None
TSCA – This product complies with TSCA
CERCLA – This product contains no reportable quantity (RQ) substances.
RECRA – N/AV

PROPOSITION 65: N/AV

16. Other Information
Reason for revision; Compliance for SDS protocol.

Not intended for human or animal diagnostic or therapeutic uses.

The above information was obtained by thorough search and the recommendations are based on application of professional judgment. To the best of our knowledge, the information contained herein is accurate. R & F Products assumes no liabilities for accuracy or completeness of the information contained herein


End of Safety Data Sheet