1. Chemical Product and Company Identification

Product Name: R & F® *Campylobacter jejuni/C. coli* Chromogenic Prepared Plates

Cat. Number: M-0960
Product type: Bacteriological Prepared Plates

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

Purpose of Medium – For isolating pathogens from foods, environmental and/or clinical sources.

2. Hazard Identification

<table>
<thead>
<tr>
<th>GHS - Classification</th>
<th>Potential Health Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal Word</td>
<td>Eyes - May cause eye irritation with susceptible persons</td>
</tr>
<tr>
<td>Not Hazardous</td>
<td>Skin - May cause skin irritation in susceptible persons.</td>
</tr>
<tr>
<td></td>
<td>Inhalation - May be harmful by inhalation.</td>
</tr>
<tr>
<td></td>
<td>Ingestion - May be harmful if swallowed.</td>
</tr>
</tbody>
</table>

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>Plant Proteins</td>
<td>1.2</td>
<td>N/AP</td>
<td>N/AP</td>
<td>N/AP</td>
<td>N/AP</td>
</tr>
<tr>
<td>Meat Proteins</td>
<td>0.9</td>
<td>N/AP</td>
<td>N/AP</td>
<td>N/AP</td>
<td>N/AP</td>
</tr>
<tr>
<td>Yeast Extract</td>
<td>0.5</td>
<td>N/AP</td>
<td>N/AV</td>
<td>N/AP</td>
<td>N/AP</td>
</tr>
<tr>
<td>α-ketoglutaric acid</td>
<td>0.1</td>
<td>328-50-7</td>
<td>206-330-3</td>
<td>HOOCCH2CH2COCOOH N/AP</td>
<td></td>
</tr>
<tr>
<td>Cycloheximide</td>
<td>0.02</td>
<td>66-81-9</td>
<td>200-636-0</td>
<td>C15H23NO4 N/AP</td>
<td></td>
</tr>
<tr>
<td>Titanium oxide (IV)</td>
<td>0.03</td>
<td>1317-70-0</td>
<td>215-280-1</td>
<td>TiO2 N/AP</td>
<td></td>
</tr>
<tr>
<td>Bile Salts #3</td>
<td>0.05</td>
<td>N/AV</td>
<td>N/AV</td>
<td>N/AV</td>
<td>N/AP</td>
</tr>
<tr>
<td>Sodium metabisulfite</td>
<td>0.05</td>
<td>7631-90-5</td>
<td>231-673-0</td>
<td>Na2S2O5 N/AP</td>
<td></td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>0.06</td>
<td>497-19-8</td>
<td>207-838-8</td>
<td>CNA2O3 N/AP</td>
<td></td>
</tr>
<tr>
<td>Sodium pyruvate</td>
<td>1.0</td>
<td>N/AV</td>
<td>204-024-4</td>
<td>CH3COCO2NA N/AP</td>
<td></td>
</tr>
<tr>
<td>Sodium cefsulodin</td>
<td>0.0003</td>
<td>52152-93-9</td>
<td>N/AV</td>
<td>C22H20N4O8S2/Na N/AP</td>
<td></td>
</tr>
<tr>
<td>Sodium cefoperazone</td>
<td>0.002</td>
<td>62893-20-3</td>
<td>263-751-5</td>
<td>C25H26N9NaO8S2 N/AP</td>
<td></td>
</tr>
<tr>
<td>ALDOL acetate</td>
<td>0.02</td>
<td>N/AV</td>
<td>N/AV</td>
<td>C25H21NO5 N/AP</td>
<td></td>
</tr>
<tr>
<td>Agar</td>
<td>1.70</td>
<td>N/AP</td>
<td>N/AP</td>
<td>N/AP</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 2-8°C.

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:** Gel

**Color:** Opaque and white

**Solubility:** Complete upon boiling

**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.

Cycloheximide  LD50 Oral Rat – 2 mg/kg
Sodium carbonate  LD50 Oral Rat – 4090 mg/kg
Sodium metabisulfite  LD50 Oral Rat -- >2000 mg/kg
Sodium cefsulodin  LD50 Oral Rat -- >15,000 mg/kg
Sodium cefoperazone  LD50 Oral Rat -- >12,000 mg/kg

12. Ecological Information

RTECS: Cycloheximide  MA4375000
    Sodium carbonate  VZ4050000
    Sodium metabisulfite  UX8225000
    Sodium cefsulodin  UU1785000
    Sodium cefoperazone  X10374000

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 – May be subject to reporting.
   313: Not subject to reporting
TSCA – This product is exempt from TSCA
CERCLA – This product contains no reportable quantity (RQ) substances.
RECRA – N/AV
Water hazard class: Water danger class 3: extremely hazardous for water
Hazard determining component: Cycloheximide

PROPOSITION 65: Warning: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm

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