

## Safety Data Sheet

### 1. Chemical Product and Company Identification

**Product Name: R & F® *Bacillus cereus* Group (BCG)  
Enrichment Broth**

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SDS:  
Revision Date: 6/26/2025

Cat. Number: M-2100  
Product type: Bacteriological Media

Company Identification: R & F Products, Inc  
2725 Curtiss Street  
Downers Grove, IL 60515

Contact: Phone USA  
Emergency Contact: 630-969-5300

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

### 2. Hazard Identification

#### GHS - Classification

##### Signal Word

Not Hazardous

##### Health Hazards

Not Hazardous

##### Physical Hazards

Not Hazardous

#### Potential Health Effects

Eyes – May cause eye irritation with susceptible persons.  
Skin – May cause skin irritation with susceptible persons.  
Inhalation – May be harmful by inhalation.  
Ingestion – May be harmful if swallowed.

### 3. Chemical Characterization

Chemical(s)	%	CAS NO.	EC Number	Symbol	R-phrases
Meat Protein	28.1	N/AP	N/AP	N/AP	N/AP
Plant Protein	14.0	N/AP	N/AP	N/AP	N/AP
Yeast Extract	9.0	N/AP	N/AP	N/AP	N/AP
D-Glucose	5.6	50-99-7	200-914-5	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	N/AP
Sodium Pyruvate	25.3	113-24-6	204-024-4	C <sub>3</sub> H <sub>3</sub> NaO <sub>3</sub>	N/AP
Tris Buffer HCl	3.7	1185-53-1	214-684-5	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub> · HCl	N/AP
Tris Buffer Base	3.1	77-86-1	201-064-4	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>	N/AP
Magnesium chloride 6H <sub>2</sub> O	2.2	7791-18-6	231-673-0	MgCl <sub>2</sub> · 6H <sub>2</sub> O	N/AP
Lithium chloride	8.4	7447-41-8	231-212-3	LiCl	N/AP
Cycloheximide	0.6	66-81-9	200-636-0	C <sub>15</sub> H <sub>23</sub> NO <sub>4</sub>	N/AP

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#### **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

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#### **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.

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#### **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.

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#### **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.

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#### **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.

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#### **9. Physical and Chemical Properties**

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

**Color:** Off White

**Solubility:** In water at room temperature

**Flash Point:** N/AV

**Boiling Point:** N/AV

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## **10. Stability and Reactivity**

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Stable under normal conditions.

Incompatibilities: Strong Oxidizing Agents. Strong acids. Protect from moisture.

Hazardous decomposition products – Not under normal use conditions.

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## **11. Toxicological Information**

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May be harmful by inhalation, ingestion, or skin absorption.

TRIS Buffer Base	LD50: Oral Rat -- > 5000 mg/kg
Magnesium Chloride Hexahydrate	LD50: Oral Rat – 8100 mg/kg
Lithium Chloride	LD50: Oral Rabbit – 800 mg/kg; Intravenous Mouse – 363 mg/kg
Cycloheximide	LD50: Oral Rat – 2 mg/kg

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## **12. Ecological Information**

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RTECS: Cycloheximide MA4375000

RTECS: Lithium Chloride OJ595000

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## **13. Disposal Considerations**

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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.

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## **14. Transportation Information**

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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.

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## **15. Regulatory Information**

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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

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## **16. Other Information**

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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

Conforms to 93/112/EC, ISO 11014-1 and OSHA Standard 29CFR 1910.1200 revised in 2012

**End of Safety Data Sheet**