

# SAFETY DATA SHEET

## Section 1: Identification

### 1.1 Product Identity

**Product Name:** Demi-Fraser Broth Base

**Chemical Name/Synonyms:** Half Fraser

**Catalog Number:** DCM1805 (5kg), DCM1810 (10kg)

**Intended Use:** For the selective enrichment of *Listeria* species from a wide variety of food and environmental matrices

**Use Advised Against:** No information

### 1.2 Company Identification

**Company:** Gold Standard Diagnostics Horsham

**Address:** 795 Horsham Rd., Horsham, PA 19044

**Phone:** 215-357-3911

**In emergency call 911.**

## Section 2: Hazard(s) Identification

### 2.1 Classification of the substance or mixture:

Classification: (Regulation (EC) No 1272/2008) [CLP/GHS]

- Not classified as hazardous for supply

Classification: (29 CFR 1910.1200)

-Not classified as hazardous for supply

Additional Information: For full text of R-phrases and Hazard- and EU Hazard-statements- see Sect. 16

### 2.2 Label Elements

Signal Word(s): None

Symbol(s): None

Hazard Phrase(s): None

Precautionary Phrase(s):

Do not breathe dust

Avoid contact with eyes, skin, and clothing

Keep container tightly closed

**Description of other hazards:** May cause minor irritation to respiratory system; may cause minor irritation of the eyes and skin

## Section 3: Composition/ Information on Ingredients

### 3.1 Substances

### 3.2 Mixtures

This product contains a mixture of the substance(s) listed below, along with the addition of non-hazardous materials:

Chemical	Concentration	CAS No.	EC No.	R/H Phrases (see section 16)
Lithium Chloride	< 10%	7447-04-108	231-212-3	H302, H315, H319, H335, H402

## Section 4: First-Aid Measures

### 4.1 First Aid Measures

**After skin contact:** Remove any contaminated articles of clothing. Wash affected area with soap and water. If skin irritation or rash occurs, seek medical attention. Launder contaminated clothing prior to reuse.

**After eye contact:** Immediately flush with water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids. If irritation persists, seek medical attention

**After inhalation:** If breathing difficulties are encountered, move victim to fresh air and rest. Seek medical attention if symptoms persist.

**After swallowing:** Rinse mouth with water- DO NOT SWALLOW. Do not administer oral fluids if person is unconscious. Seek medical attention.

### 4.2 Most Important Symptoms and Effects, Acute and Delayed

May cause irritation

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

## Section 5: Fire-Fighting Measures

**5.1 Suitable extinguishing agents:** Foam, Carbon dioxide, or dry agent

### 5.2 Special hazards arising from substance or mixture

Smoke from fires is toxic, take precautions to protect personnel from exposure.

May form explosive dust/air mixtures

Decomposition products may include carbon oxides

See Section 10

**5.3 Special protective equipment for firefighters:** Wear chemical protection suit and positive-pressure breathing apparatus. Wear protective clothing as indicated in Section 8.

## Section 6: Accidental Release Measures

**6.1 Personal precautions:** Shut off all ignition sources and use only non-sparking hand tools

Avoid raising dust

Remove contaminated clothing

Wear protective clothing as indicated in Section 8

Wash thoroughly after handling spillage

**6.2 Measures for environmental protection:** Avoid scattering in the environment. Prevent entrance into public sewers and waterways

**6.3 Measures for cleaning/collecting:** Notify safety officer and ensure area is ventilated  
Absorb material with inert material and shovel up  
Place material in sealable container, seal containers, and label  
Seek expert advice for removal and disposal of all contaminated materials and waste

## Section 7: Handling and Storage

**7.1 Handling:** Ensure adequate ventilation  
Do not breathe dust  
Avoid contact with eyes, skin, clothing  
Do not eat, drink, or smoke when using this product  
Eye wash bottles should be available in case of contact with eyes  
In case of contact with skin, wash area thoroughly. Wash hands after using this product.

**7.2 Storage:** Store in a dry, well ventilated space  
Store at temperatures not exceeding 30°C/86°F  
Keep container tightly closed  
Keep away from acid  
Keep away from oxidizing substances

## Section 8: Exposure Controls/Personal Protection

**8.1 Control Parameters-** no recommended or established controls for this product

### 8.2 Exposure Controls

**General protective and hygienic measures:** Wear suitable protective clothing in accordance with good chemical hygiene practices

**Breathing equipment:** Engineering controls should be provided to prevent the need for ventilation. No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask (US- N95, EN143- type FFP1)

**Protection of hands:** Wear protective gloves; these must satisfy specifications of EU Directive 89/686/EEC and Standard EN 374

**Eye protection:** Wear safety glasses approved to standard for NIOSH (US) or EN 166. Eyewash bottles should be available.

## Section 9: Physical and Chemical Properties

**Appearance/Form:** Light beige powder; homogenous and free-flowing

**Odor:** No information available

**Odor threshold:** No information available

**pH:** Not applicable

**Melting point/melting range:** No information available

**Boiling point/boiling range:** No information available

**Flash point:** No information available

**Evaporation rate:** No information available

**Flammability:** No information available  
**Upper/lower flammability or explosive limits:** No information available  
**Auto ignition temperature:** Product is not self-igniting  
**Danger of explosion:** Product does not present an explosion hazard  
**Vapor pressure:** No information available  
**Vapor density:** No information available  
**Relative density:** No information available  
**Solubility in/Miscibility with water:** No information available

### Section 10: Stability and Reactivity

**Reactivity:** No information available  
**Chemical stability:** Conditions stable under normal conditions  
**Conditions to avoid:** Avoid contact with moisture; keep away from heat and sources of ignition  
**Incompatible materials:** Incompatible with oxidizing substances  
**Hazardous decomposition products:** May include carbon oxides

### Section 11: Toxicological Information

**Information on Toxicological Effects:**  
**Potential routes of exposure/potential health effects**  
**Skin:** May cause redness and irritation  
**Eye:** May cause redness and irritation  
**Inhalation:** May cause coughing  
**Ingestion:** May cause irritation of throat  
**Carcinogenic effects:** No evidence of carcinogenic effects  
**Mutagenic effects:** No evidence of mutagenic effects  
**Reproductive toxicity:** No information available

### Section 12: Ecological Information

**Ecotoxicity:** Sodium chloride  
Toxicity to Fish:  
LC<sub>50</sub>- Lepomis macrochirus (bluegill) = 5840 mg/L – 96h  
Toxicity to daphnia and other aquatic invertebrates:  
LC<sub>50</sub>- Daphnia magna (water flea) = 1661 mg/L – 48h  
**Mobility in Soil:** No information available  
**Biodegradation:** No information available  
**Bioaccumulation:** No information available  
**PBT and vPvB:** Not a PBT according to REACH Annex XIII, PBT/vPvB assessment not available  
**Other Adverse Effects:** To the best of our knowledge, the properties of this material have not been fully evaluated. Based on available data, substance is not harmful to environment

### Section 13: Disposal Considerations

**13.1 Waste Treatment:**  
Dispose of material in accordance with state, local, or national regulations

Do not discharge into drains or the environment, dispose to an authorized waste collection site  
Do not reuse empty containers without commercial cleaning/reconditioning  
Refer to manufacturer for information on recovery/recycling

### 13.2 REACH Classification:

This product is used in several industries; therefore no Waste Code from the European Waste Catalogue (EWC) can be provided. The appropriate Waste Code should be determined with your waste disposal service and/or responsible authority

## Section 14: Transport Information

**DOT regulations:** Not classified as hazardous for transport

- **Hazard class:** Not available
- **Land transport ADR/RID (cross-border):** Not available
- **ADR/RID class:** Not available
- **Maritime transport IMDG:** Not available

**Air transport ICAO-TI and IATA-DGR:** Not available

- **ICAO/IATA Class:** Not available

## Section 15: Regulatory Information

### US Federal Regulations

**SARA Section 302 :** No applicable chemicals in this material

**SARA Section 313:** No chemicals in this material exceed the established threshold (De Minimis)

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):** No information available

**TSCA (Toxic Substances Control Act):** No information available

### **State Right to Know:**

Massachusetts: Disodium phosphate, CAS 7558-79-4

New Jersey: Disodium phosphate, CAS 7558-79-4

Pennsylvania: Disodium phosphate, CAS 7558-79-4

This Safety Data Sheet is provided in compliance with EC Directive 1907/2006-453/2010 and OSHA Hazard Communication Standard 29 CFR 1919.1200

## Section 16: Other Information

The information contained in this document is believed to be correct, but should not be assumed to be all inclusive. It shall only be used as a guide, and should not be confused with state, local, or insurance requirements. Gold Standard Diagnostics Horsham, Inc. shall not be held liable for any damage due to handling or contact with the material, and this document constitutes NO WARRANTY.

### **Full Text of Hazard Statements from Section 3**

Acute Toxicity 4: H302- Harmful if swallowed

Skin Irritation 2: H315- Causes skin irritation

Eye Irritation 2: H319- Causes serious eye irritation

STOT SE 3: H335- May cause respiratory irritation

Aquatic Acute 3: H402- Harmful to aquatic life