

Section 1 – Identification of the substance/mixture	
1.1 Product Identifier	<p>Catalog No. DCM-1100242</p> <p>Product Name Lactose Broth</p>
Section 2 – Hazards Identification	
2.1 Classification of the substance or mixture:	<p>CLP Classification-Regulation Not a hazardous substance or mixture</p>
2.2 Label elements:	<p>Labeling according to Regulation The product does not need to be labelled in accordance with EC directives or respective national laws.</p>
2.3 Other hazards:	None.
Section 3 – Composition / Information on Ingredients	
3.1 Substance:	Not applicable.
3.2 Mixture:	Ingredients used for this mixture are nonhazardous. No disclosure requirement according to regulations.
Section 4 – First Aid Measures	
4.1 Description of first aid measures	<p>General Information Get medical attention if symptoms occur.</p> <p>Inhalation Provide fresh air, in case unconscious; maintain adequate airway and respiration. Consult a doctor/medical service in case of breathing problems.</p> <p>Ingestion Wash out mouth with water. If symptoms persist, consult a physician.</p> <p>Skin Contact Wash thoroughly with soap and water. Take off immediately all contaminated clothing. Consult a doctor/medical service if irritation persists.</p> <p>Eye Contact Rinse out with plenty of water. Remove contact lenses. If symptoms persists consult a physician.</p>
4.2 Most important symptoms and effects, both acute and delayed:	None.
Section 5 – Fire Fighting Measures	
5.1 Suitable Extinguishing Agents:	CO ₂ , ABC multipurpose dry chemical or water spray. Fight large fires with water spray or alcohol resistant foam.
5.2 Special hazards arising from the substance or mixture:	Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Special Protective Equipment and Advice for firefighters: Wear self-contained breathing apparatus for firefighting, if necessary.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures: No special precautionary health measures should be needed under anticipated conditions of use. Wear appropriate personal protective equipment (PPE) as regulated by your laboratory protocol including lab coat, safety glasses, and gloves.

6.2 Methods and materials for containment and cleaning up: Clean up affected area. Avoid generation of dusts. Soak up with inert absorbent material and dispose contaminated material as waste according to section 13.

6.3 Environmental precautions: Avoid release to the environment.

Section 7 – Handling and Storage

7.1 Precautions for safe handling: Avoid inhaling dust. Avoid contact with eyes, skin and clothing.

7.2 Conditions for safe storage, including any incompatibilities: Store in a cool, dry place. Keep container tightly closed. Recommended storage temperature see product label.

**7.3 Specific end uses: Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.
Storage: Keep container tightly closed. Store at 10°C-30°C and the prepared medium at 2°C-8°C.**

Section 8 – Exposure Control / Personal Protection

8.1 Control parameters: Contains no substances with occupational exposure limit values.

8.2 Appropriate engineering controls: General industrial hygiene practice; Avoid contact with skin, eyes and clothing. Wash hands before and after handling the products.

**Personal protective equipment:
Eye/face protection: Use safety glasses.**

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid contact. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Choose body protection in relation to the specific work-place.

Respiratory protection: Wear mask or other protective equipment's. Ensure adequate ventilation.

Environmental exposure controls: Do not empty into drains.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Prepared Appearance

Light yellow to medium amber coloured, clear solution without any precipitate.

Odour

No data available.

Odour Threshold

No data available.

pH

6.9 ± 0.2

Melting/freezing point

No data available.

Initial boiling point and boiling range

No data available.

Flash point

No data available.

Flammability (Solid, gas)

No data available.

Vapour pressure

No data available.

Relative density

No data available.

Water Solubility

No data available.

Partition coefficient: n-octanol/water

No data available.

Autoignition Temperature

No data available.

Viscosity

No data available.

Explosive properties

No data available.

Oxidizing properties

No data available.

Vapour density

No data available.

Thermal decomposition

No data available.

Section 10 – Stability and Reactivity

10.1 Reactivity: Stable under recommended transport or storage condition.

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to avoid: Avoid exposure to heat and moisture to maintain product stability.

10.5 Incompatible materials: No data available.

10.6 Hazardous decomposition products: No decomposition if used according to the specification.

Section 11 – Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity	No data available.
Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	No data available.
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity IARC	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity- single exposure	No data available.
Aspiration hazard	No data available.

Potential Health Effects:

Inhalation	May be irritating if inhaled.
Skin	No irritating effects.
Eyes	No irritating effects.
Ingestion	May be harmful.
Sensitization	No sensitization effects known. Repeated exposure might cause allergic reactions in sensitive individuals.

Additional Toxicological Information: None.

Section 12 – Ecological Information

12.1 Toxicity:	No data available.
12.2 Persistence and degradability:	No data available.
12.3 Bioaccumulative potential:	No data available.
12.4 Mobility in soil:	No data available.
12.5 PBT and vPvB assessment:	This product is not identified as a PBT/vPvB.
12.6 Other adverse effects:	No data available.

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Product: Dispose of waste in accordance with current legislation and local regulations as per established safety procedures.

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Contaminated packaging: Handle uncleaned containers like the product itself.

Recommendation: Ensure decontamination of the prepared material and contaminated containers by autoclaving and / or incineration before discarding.

Section 14 – Transport Information

14.1 UN number: NA

14.2 UN proper shipping name: This product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADA/RID).

14.3 Transport hazard class(es): Non-hazardous for transport.

14.4 Packaging group: NA

14.5 Environmental hazards

ADR/RID: No IMDG Marine pollutant: No IATA: No

14.6 Special precautions for user: Store the product as per recommended storage conditions refer section 7.

Section 15 – Regulatory Information

15.1 Safety health and environment regulations / legislation specific for the substance or mixture:
Specific regulation: Applicable national / regional or local regulations. Safe for all kinds of modes of transportation.



15.2 Chemical Safety Assessment: Not applicable.

Section 16 – Other Information

This product is for use by professionals.

Disclaimer:

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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