

SAFETY DATA SHEET

Section 1: Identification

1.1 Product Identity

Product Name: LB Broth, Lennox

Chemical Name/Synonyms: N/A

Catalog Number: DCM6201 (500g), DCM6205 (5kg), DCM6210 (10kg)

Intended Use: For the maintenance and cultivation of recombinant strains of *E. coli*.

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 does not contain any hazardous substances at the concentration limits given in Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200

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:
LC₅₀- Lepomis macrochirus (bluegill) = 5840 mg/L – 96h
Toxicity to daphnia and other aquatic invertebrates:
NOEC = 1500 mg/L – 7D
LC₅₀- 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:

N/A

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.