

1. Identification of the substance/preparation and the company/undertaking

Product name: LB Miller broth

Catalog number: 40001, 40002, 40003, 40004

Manufacturer

Expression Technologies Inc.

10457 Roselle St., Ste. D

San Diego, CA 92121

Tel: 858 558-1861

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2. Composition/information on ingredients

Composition

1% Peptone, 0.5% Yeast extract, and 1% NaCl in aqueous solution

Hazardous/Non-hazardous Components

The product contains no substances which at their given concentration, are considered to be hazardous to health.

3. Hazards identification

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Form

Liquid

Principle Routes of Exposure/Potential Health Effects

Eyes	No information available
Skin	No information available
Inhalation	No information available
Ingestion	No information available

Specific Effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

<u>Target Organ Effects</u>	No information available
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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. Get medical attention.

Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to the unconscious person. If large quantities of material are swallowed, call a physician immediately. Loosen tight cloth such as a collar, tie, or belt.
Skin Contact	Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash cloth and shoes before reuse. Get medical attention.
Eye Contact	Remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention
Aggravating Conditions	Repeated or prolonged exposure is not known to aggravate medical condition.

5. Fire-fighting measures

Extinguishing Media	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special fire-fighting full procedures:	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and turnout gear.
Protection of fire-fighters	Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

Personal precautions sufficient.	Splash goggles. Full suit. boots. Gloves. Suggested protective clothing may not be
Methods for cleaning up	Consult a specialist BEFORE handling this product. Soak up with inert absorbent material

7. Handling and storage

Handling	No special handling advice required
Storage	Keep in properly labeled containers

8. Exposure controls/personal protection

Occupational exposure controls

Exposure limits

Engineering measures	Ensure adequate ventilation, especially in confined areas.
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Personal protective equipment

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
Hand protection	Protective gloves
Eye protection	Safety glasses with side-shields
Skin & body protection	Light weight protective clothing
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls	Prevent product from entering drains

9. Physical and chemical properties

General Information

Form	Liquid
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Important Health Safety and Environmental Information

Boiling point/range	No data available
Melting point/range	No data available
Flash point	No data available
Auto ignition temperature	No data available
Oxidizing properties	No information available
Water solubility	No information available

10. Stability and reactivity

Stability	Stable
Material to avoid	No information available
Hazardous decomposition	No information available
Product polymerization	Hazardous polymerization does not occur

11. Toxicological information

Acute toxicity

Principle Routes of Exposure/Potential Health Effects

Eyes	No information available
Skin	No information available
Inhalation	No information available
Ingestion	No information available

Specific Effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

<u>Target Organ Effects</u>	No information available
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12. Ecological information

Ecotoxicity effects	No information available
Mobility	No information available
Biodegradation	No information available
Bioaccumulation	No information available

13. Disposal considerations

Dispose of in accordance with local regulations

14. Transportation information

IATA

Proper shipping name	Not classified as dangerous in the meaning of transportation regulations
Hazard class	No information available
Subsidiary class	No information available
Packing group	No information available
UN-No	No information available

15. Regulatory information

EU Regulations

Risk phrases

This product is not classified according to the EU Regulations

U.S. Federal Regulations

SARA 313

Not regulated

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

No products were found

U.S. State Regulations

California Proposition 65

No products were found

WHMIS hazard class

Not controlled under WHMIS (Canada).

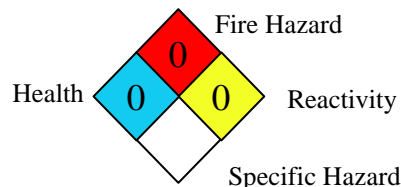
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. Other information

Hazardous Material
Information System
(U.S.A.)

Health	0
Fire Hazard	0
Reactivity	0
Personal protection	A

National Fire
Protection Association
(U.S.A.)



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End of Safety Data Sheet