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EMB Agar Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Signal Word
N/A

EMB Agar

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261
Chemtrec Emergency Phone Number: (800) 424-9734

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

This chemical is considered nonhazardous according to GHS classifications for the Hazard Communication Standard. Treat all laboratory chemicals with caution.

This substance may support the growth of pathogenic microorganisms. Practice proper aseptic technique when culturing. Cultures should be sterilized prior to disposal.

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Agar, bacteriological grade	9002-18-0	Unspecified	Unspecified	37.5%
Peptone (source: bovine)	91079-38-8	Unspecified	Unspecified	27.8%
Lactose monohydrate	64044-51-5	$C_{12}H_22O_{11}•H_2O$	360.31	13.9%
Sucrose	57-50-1	$C_{12}H_22O_{11}$	342.31	13.9%
Potassium phosphate dibasic	7758-11-4	K_2HPO_4	174.18	5.5%
Eosin Y	17372-87-1	$C_{20}H_6Br_4Na_2O_5$	691.91	1.1%
Methylene blue trihydrate	7220-79-3	$C_{16}H_{18}ClN_3S•3H_2O$	373.90	0.2%
Synonyms: Eosin-methylene blue agar				

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
If on skin: Wash with plenty of water.
If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.
When heated to decomposition, may emit toxic fumes.
In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA Code
None established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Clean up spill, autoclave or sterilize if already used for cultures. Dispose in the trash. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic Miscellaneous.
Moisture sensitive. Store in a cool, dry place within a Flinn Chem-Saf™ bag.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes. Use sterile technique when working with culture media. Wash hands thoroughly after handling.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Pink/violet powder. Malt-like odor.
Soluble: Forms a gel with boiling water.

Biological use: Differential bacterial media (gram negative bacteria).
To prepare culture media: Mix 36 grams per liter of water. Sterilize before use.

SECTION 10 — STABILITY AND REACTIVITY

Stable nonhazardous substance.
Shelf life: Good, if stored properly. See Section 7 for further information.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: N.A.
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD_{50}: N.A.
IHL-RAT LC_{50}: N.A.
SKN-RBT LD_{50}: N.A.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.
Flinn Suggested Disposal Method #26a is one option. Sterilize prior to disposal.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

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N.A. = Not available, not all health aspects of this substance have been fully investigated.
N/A = Not applicable

Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.