FLINN SCIENTIFIC

**SDS #:** 467.5
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# MacConkey Agar Safety Data Sheet (SDS)

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Signal Word**
**N/A**

### MacConkey Agar

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261
Chemtrec Emergency Phone Number: (800) 424-9951

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 |
|---|---|---|---|---|
| Peptone and Proteose peptone | 91079-38-8 | Unspecified | Unspecified | 40% |
| Bile Salts #3 | None established | Unspecified | Unspecified | 3% |
| Sodium chloride | 7647-14-5 | NaCl | 58.45 | 10% |
| Lactose monohydrate | 64044-51-5 | $C_{12}H_{2}2O_{11}\bullet H_2O$ | 360.31 | 20% |
| Neutral red | 553-24-2 | $C_{15}H_{17}ClN_4$ | 288.78 | <1%> |
| Crystal Violet | 548-62-9 | $C_{2}5H_{30}ClN_3$ | 408.00 | <1%> |
| Agar, bacteriological grade | 9002-18-0 | Unspecified | Unspecified | 27% |

## 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

Pale, buff-colored powder. Strong, musty odor.
Soluble: Forms a gel with boiling water.

Biological use: Differential bacterial media to grow Gram negative bacteria and differentiate them for lactose fermentation.
To prepare culture media: use 50 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.**

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