FLINN SCIENTIFIC, INC. Safety Data Sheet (SDS)

SDS #: 780.50

Revision Date: March 21, 2014

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Starch-Malonic Acid-Manganese Sulfate Solution

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word

WARNING

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2B). Causes skin and eye irritation (H315+H320).

SECTION 3 — COMPOSITION. INFORMATION ON INGREDIENTS

| Component Name | CAS Number | Formula | Formula Weight | Concentration |
|--|-------------------------|--|--------------------|---------------|
| Potato starch Malonic acid | 9005-84-9 141-82-2 | Unspecified CH ₂ (CO ₂ H) ₂ | Unspecified 104.07 | 0.06% 1.5% |
| Manganese(II) sulfate monohydrate Water | 15244-36-7 7732-18-5 | $MnSO_4 \cdot H_2O$ H_2O | 169.01 18.00 | 0.3% 98% |
| | | | | |

SECTION 4 — FIRST AID MEASURES

Get medical advice or attention (P313).

If inhaled: Call a POISON CENTER or physician if you feel unwell.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

If on skin: Wash with plenty of water (P302+P352). If skin irritation occurs: Get medical advice or attention (P332+P313).

If swallowed: Rinse mouth (P330). Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA CODE

None established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Wipe up the spill, place in a sealed bag or container, and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides and peracids.

Avoid storing for prolonged periods. Will grow mold, bacteria, or algae especially if exposed to strong light. Store in a cool, dry, dark place.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid. Odorless.

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizing agents.

Shelf life: Fair, will mold.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Skin and eye irritation. ORL-RAT LD_{50} : N.A. Chronic effects: N.A. IHL-RAT LC_{50} : N.A. Target organs: Skin and eyes. SKN-RBT LD_{50} : N.A.

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

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

<u>SECTION 13 — DISPOSAL CONSIDERATIONS</u>

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #27f is one option.

SECTION 14 — TRANSPORT INFORMATION

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

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

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

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