# FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

# Material Safety Data Sheet (MSDS)

Section 1 — Chemical Product and Company Identification

# Hydrogen Peroxide Solution

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261 CHEMTREC Emergency Phone Number: (800) 424-9300

# Section 2 - Composition, Information on Ingredients

Hydrogen Peroxide (7722-84-1) 3-6%, and water (7732-18-5) 94-97%.

CAS#: None Established

Section 3 — Hazards Identification FLINN AT-A-GLANCE Clear colorless, odorless liquid. Health-1 Slightly toxic by ingestion or inhalation. Irritant to skin, eyes and respiratory tract. Avoid prolong body contact.

Hydrogen peroxide will decompose rapidily when exposed to almost any substance.

# Section 4 — First Aid Measures

Call a physician, seek medical attention for further treatment, observation and support after first aid. Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately. Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Give large quantities of water. Call a physician or poison control at once.

# Section 5 — Fire Fighting Measures

Non combustible liquid, but an oxidizer. Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

### Section 6 — Accidental Release Measures

Restrict unprotected personnel from area and ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

# Section 7 — Handling and Storage

Flinn Suggested Chemical Storage Pattern: Inorganic #6. Store with bromates and chlorates.

# Section 8 — Exposure Controls, Personal Protection

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire). Exposure guidelines: TWA 1 ppm (OSHA)

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MSDS #: 398.50 Revision Date: July 9, 2002

> Flammability-0 Reactivity-1 Exposure-1 Storage-0

0 is low hazard, 3 is high hazard

NFPA CODE None Established

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# Section 9 — Physical and Chemical Properties

Clear, colorless, odorless liquid. Solubility: Soluble in water and alcohol. Formula: H2O2 Formula Weight: 34.02 3-6% by mass solution.

# Section 10 — Stability and Reactivity

Keep away from reducing agents and oxidizable materials. Avoid heating this substance. Avoid inhalation. Shelf Life: Fair. Stored at room temperature, this substance decomposes at about 0.5% per year.

# Section 11 — Toxicological Information

Acute effects: Irritant Chronic effects: Possible mutagen Target organs: N.A.

ORL-RAT LD50: 1193 mg/kg IHL-RAT LC50: N.A. SKN-RBT LD50: 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.

### Section 13 — Disposal Considerations

Please consult with state and local regulations. Flinn Suggested Disposal Method #26b is one option.

### Section 14 — Transport Information

Shipping Name: N/A Hazard Class: N/A UN Number: N/A

N/A = Not applicable

### Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (231-765-0), RCRA code D001, D002.

# Section 16 — Other Information

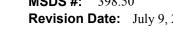
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# Flinn Is No. 1 in Safety

flinn@flinnsci.com www.flinnsci.com P.O. Box 219 Batavia IL 60510 (800) 452-1261 Fax (866) 452-1436



Specific Gravity: 1.0

Hydrogen Peroxide Solution