

## Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Hydrogen Peroxide Solution 2%-6% Signal Word  
**DANGER**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtrec Emergency Phone Number: (800) 424-9852 Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin irritation (Category 2). Causes skin irritation (H315).



Hazard class: Serious eye damage (Category 1). Causes serious eye damage (H318).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Hydrogen peroxide	7722-84-1	H <sub>2</sub> O <sub>2</sub>	34.02	2-6%
Water	7732-18-5	H <sub>2</sub> O	18.00	94-98%

### 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 (P305+P351+P338). **If eye irritation persists eyes:** 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. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

**NFPA Code**

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

None established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

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## **SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Inorganic #6. Store with chlorates, bromates, iodates, chlorites, perchloric acid, and peroxides. Light sensitive. Store in a dark, vented container. Stored at room temperature, this substance decomposes at about 0.5% per year.

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## **SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Exposure guidelines: (as hydrogen peroxide) PEL/TLV 1 ppm (OSHA, ACGIH)

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## **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear, colorless liquid. Odorless.	Specific gravity: 1.0
Soluble: Water and alcohol	Not for human use.

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## **SECTION 10 — STABILITY AND REACTIVITY**

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Keep away from reducing agents, strong bases, organics, combustible material, and oxidizable materials. Avoid heating this substance.

Shelf life: Fair to poor. See Section 7 for further information.

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## **SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Irritant.	ORL-HUMAN LD <sub>50</sub> : 1429 mg/kg as hydrogen peroxide
Chronic effects: Dermatitis.	IHL-RAT LC <sub>50</sub> : 2000 mg/m <sup>3</sup> as hydrogen peroxide
Target organs: N.A.	SKN-RAT LD <sub>50</sub> : 3000 mg/kg as hydrogen peroxide

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## **SECTION 12 — ECOLOGICAL INFORMATION**

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Carp LC<sub>50</sub>: 42 mg/L (48 hour as hydrogen peroxide) Daphnia EC<sub>50</sub>: 2.4 mg/L (48 hour as hydrogen peroxide)

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## **SECTION 13 — DISPOSAL CONSIDERATIONS**

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

Flinn Suggested Disposal Method #26b is one option.

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## **SECTION 14 — TRANSPORT INFORMATION**

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

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## **SECTION 15 — REGULATORY INFORMATION**

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

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## **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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