SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Hydrogen Peroxide Solution, 2%-6%

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

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

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS Number</th>
<th>Formula</th>
<th>Formula Weight</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>H₂O₂</td>
<td>34.02</td>
<td>2-6%</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>H₂O</td>
<td>18.00</td>
<td>94-98%</td>
</tr>
</tbody>
</table>

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:** 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**: None established

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

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.
**SECTION 7 — HANDLING AND STORAGE**

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.

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

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)

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**


**SECTION 10 — STABILITY AND REACTIVITY**

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.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Irritant. Chronic effects: Dermatitis. Target organs: N.A. ORL-HUMAN LD₅₀: 1429 mg/kg as hydrogen peroxide. IHL-RAT LC₅₀: 2000 mg/m³ as hydrogen peroxide. SKN-RAT LD₅₀: 3000 mg/kg as hydrogen peroxide.

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

**SECTION 12 — ECOLOGICAL INFORMATION**

Carp LC₅₀: 42 mg/L (48 hour as hydrogen peroxide) Daphnia EC₅₀: 2.4 mg/L (48 hour as hydrogen peroxide)

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method #26b 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**

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

**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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