Section I - Product Identification

A stabilized, aqueous solution of hydrogen peroxide.

Section II - Hazards Identification

Overview: May be harmful if swallowed. May be irritating to skin eyes and respiratory tract.

Safety Ratings

Health: Slight Flammability: None Reactivity: None Contact: Slight

Recommended safety equipment: safety goggles, lab coat and proper gloves

Storage: General storage

NFPA Ratings
Health = 0 Flammability = 0 Reactivity = 1

Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other dilute peroxides. 3% hydrogen peroxide is not expected to present health problems under normal circumstances

Inhalation: Not likely to be an issue. May be irritating

Ingestion: While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.

Skin contact: Not normally a problem

Eye contact: May be irritating

Chronic Exposure: Unknown

Aggravation of preexisting conditions: Unknown

Section III - Composition/Information on Components

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS#</th>
<th>OSHA Pel</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>1 ppm TWA (air)</td>
<td>1 ppm TWA (air)</td>
<td></td>
<td>3% w/v</td>
</tr>
</tbody>
</table>

Section IV - First Aid Measures

Inhalation: Unlikely to be an issue. Remove from source of exposure and get medical attention for any breathing difficulty.

Ingestion: Unlikely to be an issue. Get medical advise for exceptional cases.

Skin Contact: Unlikely to be an issue. Wash affected area with soap and water. Get medical advice if irritation develops.

Eye Contact: Rinse thoroughly with running water. Get medical advice if irritation develops.
Section V - Fire Fighting Measures

*Flash point:* Not applicable.
*Flammable Limits:* Not applicable.
*Fire:* Not normally a fire hazard.
*Explosion:* Not normally an explosion hazard.
*Fire Extinguishing Media:* Any means suitable for surrounding fire.
*Special information:* Pyrolysis will release corrosive oxides.

Section VI - Accidental Release Measures

Absorb with a suitable inert absorbent and store in a suitable container for disposal.

Section VII - Handling and Storage

Store in a closed container, protected from freezing.

Section VIII - Exposure Control/Personal Protection

*Airborne Exposure Limits:* See section III.
*Ventilation System:* Usually not required. When required, refer to the ACGIH document, “Industrial Ventilation, a Manual of Recommended Practices” for details about ventilation.
*Personal Respirator:* Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.
*Skin protection:* Protective gloves are not required but recommended as part of good laboratory practice.
*Eye Protection:* Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

Section IX - Physical and Chemical Properties

*Boiling Point:* 100 °C
*Vapor pressure (mm Hg):* 18 @ 20 °C
*Vapor Density (air = 1):* 0.6
*VOC:* 0 g/l

*Appearance and Odor:* A clear, colorless, odorless liquid.

Section X - Stability and Reactivity

*Stability:* Freezes at low temperature.

*Hazardous Decomposition Products:* Will liberate large amounts of oxygen.

*Hazardous polymerization:* Will not occur.

*Incompatibilities:* Nothing unusual.

*Conditions to avoid:* Excessive cold/heat and light.

Section XI - Toxicological Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Known Carcinogenicity?</th>
<th>NTP?</th>
<th>Anticipated?</th>
<th>IARC Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>3</td>
</tr>
</tbody>
</table>

Section XII - Ecological Information

*Environmental Fate:* Biodegradable
*Environmental Toxicity:* None
Section XIII - Disposal Considerations
Not normally restricted but ultimate authority resides with local government agencies. Insure compliance with all government regulation

Section XIV - Transportation Information
Not regulated.

Section XV - Regulatory Information

<table>
<thead>
<tr>
<th>Chemical Inventory Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingredient</td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Federal, State and International Regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingredient</td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
</tr>
</tbody>
</table>

Chemical Weapons Convention: No     TSCA 12(b): No     CDTA: No
SARA 311/312: Acute: Yes, Chronic: No, Fire: No, Pressure: No

Section XVI - Other Information
This information is believed to be correct but is not waranteed as such, nor does it purport to be all inclusive.
Revision Date: Nov. 29, 2017