**SECTION I NAME**

**Product**
Hydrogen Peroxide, 3%

**Chemical Synonyms**
Hydrogen Peroxide, with Stabilizer

**Formula**
Mixture.

**Unit Size**
up to 3.765 Lt.

**C.A.S. No.**
Mixture.

**SECTION II INGREDIENTS OF MIXTURES**

**Principal Component(s)**
- Hydrogen Peroxide: (CAS No. 7722-84-1) 0.05% None established.
- Water: (CAS No. 7732-18-5) Bal. None established.
- Acetanilide: (CAS No. 103-84-4) 0.05% None established.

**SECTION III PHYSICAL DATA**

**Melting Point (°F)**
Freezes @ approx. 0°C (32°F)

**Boiling Point (°F)**
Approx. 100°C (212°F)

**Vapor Pressure (mm Hg)**
14 (water)

**Vapor Density (Air=1)**
0.7 (water)

**Solubility in Water**
Complete.

**Appearance & Odor**
Clear, colorless liquid; slightly pungent odor.

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

**Flash Point (Method Used)**
Non-flammable.

**Flammable Limits in Air**
% by Volume

**Lower**
None

**Upper**
None

**Extinguisher Media**
Use water in large quantities for extinguishing supporting fire.

**SECTION V HEALTH HAZARD DATA**

**Threshold Limited Value**
TWA: 1 ppm (ACGIH 2001).

**Effects of Overexposure**
May be harmful if swallowed. May cause irritation to skin and eyes on contact. Exercise appropriate precautions to minimize potential hazards. Target organs: None known.

**Emergency and First Aid Procedures**

**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**SECTION VI REACTIVITY DATA**

**Stability**
Unstable

**Conditions to Avoid**
Stability decreased by strong sunlight, heat and mixing.

**Incompatibility (Materials to Avoid)**
Acids, bases, metals, metal salts, reducing agents, organic materials, alkalies, dust and dirt contaminants, flammable substances.

**Hazardous Decomposition Products**
Thermal decomposition produces oxygen, which will promote the combustion of flammable materials.

**Hazardous Polymerization**
May Occur

**Conditions to Avoid**
Not applicable.

**SECTION VII SPILL OR LEAK PROCEDURES**

**Steps to be taken in case material is released or spilled**
Dilute with water, absorb with an inert dry material, sweep up and place in suitable container for disposal. Wash spill area with soap and water.

**Waste Disposal Method**
Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

**Respiration Protection (Specify Type)**
None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.

**Ventilation**
Mechanical (General) Recommended. Special No.

**Protective Gloves**
Rubber.

**Eye Protection**
Chemical safety goggles.

**SECTION IX SPECIAL PRECAUTIONS**

**Precautions to be Taken in Handling & Storing**
Store in original containers in a cool, dry, well-ventilated area away from sun and heat. Keep away from open flames, fire and sparks. Avoid contamination from any source. Wash thoroughly after handling.

**Other Precautions**
- Avoid contact with skin, eyes, mucous membranes and combustible material. Remove and wash contaminated clothing. Drying of this material on clothing or combustible materials may cause fire.
- Keep container tightly closed when not in use.

**SECTION X SPECIAL PRECAUTIONS**

**Revision No. 3**
Date: 01/10/07
Approved: James A. Bertsch
Chemical Safety Coordinator: JAB

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