



MATERIAL SAFETY DATA SHEET

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MSDS No.: HH0180
Effective Date: January 10, 2007

SECTION I 24 HOUR EMERGENCY ASSISTANCE

Product	Hydrogen Peroxide, 3%	Health	0
Chemical Synonyms	Hydrogen Peroxide, with Stabilizer	Fire	0
Formula	Mixture	Reactivity	1
Unit Size	up to 3.785 Lt.	HMIS*	
C.A.S. No.	Mixture	MINIMAL	0
		SLIGHT	1
		MODERATE	2
		SERIOUS	3
		SEVERE	4



CHEMTREC
800-424-9300
Day 585-226-6177

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Hydrogen Peroxide: (CAS No. 7722-84-1)	3%	TWA: 1 ppm
Water: (CAS No. 7732-18-5)	Bal.	None established.
Acetanilide: (CAS No. 103-84-4)	0.05%	None established.

CAUTION! IRRITANT. MAY CAUSE IRRITATION TO SKIN AND EYES ON CONTACT.

SECTION III PHYSICAL DATA

Melting Point (°C)	Freezes @ approx. 0°C (32°F)	Specific Gravity (H ₂ O = 1)	Approx. 1.0
Boiling Point (°C)	Approx. 100°C (212°F)	Percents Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	< 1
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	None
Extinguisher Media	Use water in large quantities for extinguishing supporting fire.	Lower	Upper

SPECIAL FIREFIGHTING PROCEDURES

Flood with water to cool tanks or containers. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing with eye protection.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Hydrogen peroxide is non-flammable, but it provides oxygen to facilitate or initiate burning of surrounding combustibles.

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	
	Stable	X
Incompatibility (Materials to Avoid)	Acids, bases, metals, metal salts, reducing agents, organic materials, alkalis, 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	Will Not Occur
	X

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.

Dispose of in accordance with all federal, state and local regulations.

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	Local Exhaust	Recommended	Special No.
	Mechanical (General)	Recommended	Other No.
Protective Gloves	Rubber		Eye Protection
Other Protective Equipment	Smock, apron, eye wash station, proper gloves, face shield, fire extinguisher.		

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing
Keep container tightly closed when not in use. 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
Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

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.

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

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D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to Form OSHA-20