

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration  
**MATERIAL SAFETY DATA SHEET**

May be used to comply with OSHA's Hazard Communications Standard.  
29CFR 1910.1200. Standard must be consulted for specific requirements.

**SECTION I**

<b>MANUFACTURER'S NAME/REPACKAGED BY:</b> Certified Safety Manufacturing, Inc.	<b>TELEPHONE NO.</b> (816) 483-9090
<b>ADDRESS:</b> 1400 Chestnut Avenue Kansas City, Missouri 64127	
<b>IDENTITY (AS USED ON LABEL):</b> Hydrogen Peroxide 3%	<b>DATE PREPARED:</b> 12/23/09
<b>DATE REVIEWED:</b>	

**SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s)):</b>				
	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Hydrogen Peroxide, H <sub>2</sub> O <sub>2</sub>	CAS#7722-84-1	3%	1ppm (TWA)	
Colorless, odorless liquid that is slightly acidic. Hydrogen peroxide in this concentration is a mild oxidizer, prolonged exposure to elevated concentrations of vapors may result in irritation of the eyes, nose, and throat. Prolonged dermal exposure can result in mild skin irritation.				
THIS PRODUCT IS PRODUCED AS A HEALTH CARE ITEM "FOOD, DRUG OR COSMETIC, INTENDED FOR PERSONAL CONSUMPTION BY EMPLOYEES WHILE IN THE WORKPLACE" TO WHICH THE HAZARDOUS COMMUNICATIONS REQUIREMENTS OF; 29CFR1910.1200 (A) & (B) DO NOT APPLY, AS SPECIFICALLY STATED IN 29CFR 1910.1200 (B) (5) (V)				

**SECTION III – PHYSICAL DATA**

<b>BOILING POINT (°F):</b>	214°F	<b>SPECIFIC GRAVITY (H<sub>2</sub>O= 1):</b>	1.0
<b>VAPOR PRESSURE (mm Hg.):</b>	10.1mm	<b>MELTING POINT:</b>	N/A
<b>VAPOR DENSITY (AIR=1):</b>	.63 (app)	<b>EVAPORATION RATE:</b> (Butyl Acetate =1)	N/A
<b>SOLUBILITY IN WATER:</b>	Miscible		
<b>APPEARANCE AND ODOR:</b> Colorless liquid that has a slightly sharp odor.			

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT (Method used):</b> >200° F	<b>FLAMMABLE LIMITS:</b>	LEL: N/A	UEL: N/A
<b>EXTINGUISHING MEDIA:</b> Use water fog, alcohol foam, CO <sub>2</sub> or dry chemical			
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Extinguish fire using agent suitable for surrounding fire. Cool containers exposed to fire with flooding quantities of water.			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> Decomposition releases oxygen, which may intensify fire. (see section III)			

**SECTION V – REACTIVITY DATA**

<b>STABILITY:</b>	UNSTABLE	Slightly	<b>CONDITIONS TO AVOID:</b> None known
<b>INCOMPATIBILITY (Materials to avoid):</b> Avoid mixing with strong reducing agents, ammonia, ammonium salts, acetylene, acetaldehyde, aluminum, chemically active metals, powdered metals, carbides, ammonium hydroxide, and acetyl chloride.			
<b>HAZARDOUS PRODUCTS OF DECOMPOSITION:</b> Decomposition releases oxygen, which may intensify fire.			
<b>HAZARDOUS POLYMERIZATION:</b>	MAY OCCUR		<b>CONDITIONS TO AVOID:</b> Heat, sparks, and open flame, contact with incompatible materials. Hydrogen Peroxide in
	WILL NOT OCCUR	√	great concentrations is incompatible with reducing agents, rust dirt, organic materials.

**SECTION VI – HEALTH HAZARD DATA**

<b>ROUTE(S) OF ENTRY:</b> INHALATION?: yes    INGESTION?: yes    DERMAL CONTACT?: yes
<b>EYE?:</b> yes <b>SKIN?:</b> yes <b>RESPIRATORY SYSTEM:</b> yes
<b>HEALTH HAZARDS (Acute and Chronic):</b> No Data
<b>CARCINOGENICITY:</b> Not identified as a carcinogen by OSHA, IARC, or NTP
<b>SIGNS AND SYMPTOMS OF OVEREXPOSURE:</b> <b>Inhalation:</b> Irritation of eyes, nose and throat. <b>Ingestion:</b> Irritation of the upper G.I. tract, possible distension of the esophagus or stomach. <b>Dermal Contact:</b> Vesicles on skin, bleaching hair, general irritation of skin. <b>Acute effects:</b> Irritation of skin as noted above. <b>Chronic Effects:</b> No data
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:</b> Pre-existing disorders of the skin may be exacerbated by exposure of hydrogen peroxide.
<b>EMERGENCY AND FIRST AID PROCEDURES:</b> <b>Eye:</b> flush with copious amounts of water for at least 15 minutes.
<b>Skin:</b> Flush with water. If irritation persists, seek medical attention. <b>Ingestion:</b> Drink plenty of water or milk immediately to dilute. Do not induce vomiting. Seek medical attention or contact the poison control center.
<b>Inhalation:</b> Remove victim to fresh air and seek medical attention.

**SECTION VII – SPILL OR LEAK PROCEDURES**

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:</b> <b>Large Spills:</b> Evacuate the area of unprotected personnel. Utilize appropriate level of personal protective equipment. Contain source if it is safe to do so. Dike or otherwise confine spilled product. Keep away from open flame. <b>Small Spills:</b> Dilute with large amounts of water and if possible, direct solution to diked area and hold until decomposed.
<b>Disposal:</b> Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable federal, state and local regulations. <b>Environmental Degradation:</b> Should be removed readily from soils and water by volatilization and biodegradation.

**SECTION VIII – SPECIAL PROTECTION INFORMATION**

<b>RESPIRATORY PROTECTION (Specify type):</b> Wear approved respirator in dusty conditions.		
<b>VENTILATION:</b>	LOCAL EXHAUST: <input checked="" type="checkbox"/>	SPECIAL: None
	MECHANICAL (General): None	OTHER: None
<b>PROTECTIVE GLOVE:</b> If user has sensitive skin or frequently use the product.	<b>EYE PROTECTION:</b> Wear chemical goggles where the threat of exposure exists.	
<b>OTHER PROTECTIVE EQUIPMENT:</b> Eye wash fountains should be provided for personnel in areas where eye exposure is possible.		

**SECTION IX – SPECIAL PRECAUTIONS**

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:</b> Store in tightly closed containers in a cool, dry area away from heat and other possible ignition source. Maintain appropriate class of fire extinguishers nearby in case of fire.
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**SECTION X – TRANSPORTATION INFORMATION**

<b>Shipping Name:</b> Hydrogen Peroxide (Non Regulated in concentrations <8%)
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