

PRODUCT NAME: HYDROGEN PEROXIDE 3%

This Material Safety Data Sheet is being provided to your company, for the purpose of providing current health and safety information to your management and employees who work with this product. Please read the data provided and then provide it to those people at your company who have the responsibility to insure compliance with both FEDERAL and STATE Right to Know regulations, and to those employees that request information on this product.

Federal Regulations: Parts 29 and 42 Code of Federal Regulations.**State of Illinois:** Public Act 83-240**SECTION 1 - PRODUCT IDENTIFICATION****Manufacturer:** First Priority, Inc.
1585 Todd Farm Drive
Elgin, IL 60123-1146**Telephone Number:** 800-650-4899
Emergency Number: Chemtrec
800-424-9300**Chemical Family:** Mixture**Formula:** H₂O₂**Hazard Classification:** Oxidizer**HMIS Rating System:** Health-1/Flammability-0/Reactivity-2**SECTION 2 - HAZARDOUS COMPONENTS**

Ingredient	CAS#	PEL/TLV	Percent
Hydrogen Peroxide	7722-84-1		3

The hazard communication standard requires that such mixtures be assumed to present the same health hazard as do components that constitute as least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards of individual components may be altered by including them in a mixture. Some of the ingredients of this mixture are a trade secret. NE = not established.

SECTION 3 - PHYSICAL DATA

Boiling Point:	226° F 108° C	Specific Gravity:	1.03 @ 20* C4°C
Vapor Pressure:	23mm HG@30°C	Percent Volatile:	100%
Vapor Density:	Not available	Evaporation Rate:	(Butyl Acetate=1) Above 1
Solubility in Water:	Soluble	Appearance & Odor:	Clear colorless liquid, odorless

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SECTION 4 - FIRE & EXPLOSION DATA

Flash Point (Method): Non-combustible
Estimated Flammable Limits in Air: Non-combustible.
Extinguishing Media: Preferably water or water fog. Carbon dioxide and dry chemical may also be used.
Special Fire Fighting Procedures: Any tank or container surrounded by fire should be flooded with water for cooling. Wear full protective clothing and self-contained breathing apparatus.
Unusual Fire & Explosion Hazards: Product is noncombustible. On decomposition H₂O₂ releases oxygen which may intensify fire.

SECTION 5 - HEALTH HAZARD DATA**Effects Of Overexposure**

Eyes: Corrosive to eyes. May cause irreversible tissue damage to the eyes including blindness.
Skin: May cause skin irritation.
Inhalation: Inhalation of mist or vapor could cause irritation lungs, nose and throat, usually subsides after exposure ceases.
Ingestion: Do not ingest. Corrosive to gastrointestinal tract.

Emergency First Aid Procedures:

Eye Contact: Immediately flush with large amounts of waer for at least 15 minutes. Lifting upper and lower lids intermittently. See a physician or ophthalmologist.
Skin Contact: Wash with large amounts of water. If irritation persists, obain medical attention.
Inhalation: Remove to fresh air. If breathing difficulty or discomfort occurs, call a physician.
Ingestion: If swallowed, drink plenty of water immediately to dilute. Do not induce vomiting or give anything by mouth to an unconscious person. See a physician.
Note to physician: Hydrogen peroxide at these concentrations is a strong oxidant. Direct contact with the eye is likely to cause corneal damage especially if not washed immediately. Careful ophthalmologic evaluation is recommended and the possibility of local corticosteroid therapy should be considered. Because of the likelihood of systemic effects, attempts at evacuating the stomach via emesis induction or gastric lavage should be avoided

SECTION 6 - REACTIVITY DATA

Stability: Stable
Conditions to avoid instability: None known.
Incompatibility: Strong oxidizing agents, strong alkalies and strong mineral acids.
Hazardous Decomposition Products: Oxidizer. Contact with combustibles may cause fire. Decomposes yielding oxygen that supports combustion of organic matters and can cause overpressure if confined.
Hazardous Polymerization: Will not occur.

SECTION 7 - SPILL OR LEAK PROCEDURES**Steps To Be Taken In Case Of Large Amount Of Material Is Released Or Spilled:**

Dilute with large volume of water and hold in a pond or diked area until H₂O₂ decomposes.

Waste Disposal Methods:

An acceptable method of disposal is to dilute with a large amount of water and allow the hydrogen peroxide to decompose followed by discharge into a suitable treatment system in accordance with all regulatory agencies. Because acceptable methods of disposal may vary by location and because regulatory requirements may change, the appropriate regulatory agencies should be contacted prior to disposal.

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SECTION 8 - SPECIAL PROTECTION

Respiratory Protection: If concentrations in excess of 10ppm are expected use approved self-contained breathing apparatus. Do not use oxidizable sorbants such as activated carbon.

Ventilation: Ventilation should be provided to minimize the release of H₂O₂ vapors and mist into the work environment.

Protective Gloves: Liquid proof rubber or neoprene gloves.

Eye Protection: Wear cup type chemical goggles and/or full face mask.

Other Protective Equipment: Use only suitable protective clothing, e.g., rubber, neoprene or synthetic fibers (avoid cotton, wool and leather). Rubber or neoprene footwear.

SECTION 9 - SPECIAL PRECAUTIONS OR COMMENTS

Special precautions to be taken in handling & storing: Store drums in cool areas out of direct sunlight and away from combustibles. For bulk storage refer to FMC technical bulletins..

Other precautions: Decomposition and generation of oxygen gas which could result in high pressures and possible container rupture. Hydrogen peroxide should be stored only in vented containers and should be transferred only in a prescribed manner (see FMC technical bulletins.) Never return unused hydrogen peroxide to original container. Empty drums should be triple rinsed with water before discarding. Utensils used for handling hydrogen peroxide should be made only of glass, stainless steel, aluminum or plastic.

SECTION 10 – TRANSPORTATION INFORMATION

Proper Shipping Name: N/A
Identification Number: N/A
Hazard Class: N/A
Packing Group: N/A
U.S. DPT Labeling Requirements: N/A
IATA Class: N/A
IATA Packing Group: N/A

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