



THATCHER COMPANY MATERIAL SAFETY DATA SHEET
PRODUCT: HYDROGEN PEROXIDE, 35%
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MSDS Date: January 14, 2010
Emergency Contact: 1-800-424-9300

SECTION I

PRODUCT NAME: Hydrogen Peroxide, 35%
CHEMICAL NAME: Hydrogen Peroxide Solution, 35%
CHEMICAL FAMILY: Peroxide
DOT SHIPPING INFORMATION: Hydrogen Peroxide Aqueous Solutions, 5.1, UN 2014, PG II.

SECTION II - HAZARDOUS INGREDIENTS

This material contains no ingredients which are known by Thatcher Company to be hazardous unless listed below.

HAZARDOUS MATERIAL	CAS NUMBER	w/w %	EXPOSURE LIMITS IN AIR
Hydrogen Peroxide	7722-84-1	35%	OSHA STANDARD-AIR:TWA 1 PPM (1.4 mg/m ³)

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

SECTION III - PHYSICAL DATA

BOILING POINT (F): about 226°F
SPECIFIC GRAVITY: 1.1 @ 20°C
VAPOR PRESSURE (mm Hg): 24 mm Hg @ 20°C
% VOLATILE, BY VOLUME: 100%
VAPOR DENSITY (air = 1): 1.0
EVAPORATION RATE: < 1
SOLUBILITY IN WATER: Soluble
APPEARANCE AND ODOR: Water-white solution with slightly sharp odor.

SECTION IV - FIRE AND EXPLOSION DATA

NEPA HAZARD RATING:

Health = 2
Flammability = 0
Reactivity = 1

FLASH POINT:

Nonflammable

FLAMMABLE LIMITS:

LEL: N/A
UEL: N/A

EXTINGUISHING MEDIA:



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Use any.

SPECIAL FIRE-FIGHTING PROCEDURES:

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Strong oxidizer, contact with combustible materials may cause fire. Explosion hazard in fire situation. Releases oxygen when heated and increases the burning rate of combustible materials.

SECTION V - REACTIVITY DATA

STABILITY:

Stable

HAZARDOUS POLYMERIZATION:

Will not occur

CONDITIONS OR MATERIALS TO AVOID:

Reacts with: organic materials, combustibles, reducing agents, brass, copper, copper alloys, galvanized iron, zinc, nickel, lead, rust, finely powdered metals, iron and iron salts, sensitive to light.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxygen

SECTION VI - HEALTH HAZARD DATA

EMERGENCY OVERVIEW:

Danger! Oxidizer! This material may cause burns to skin, eyes, respiratory tract and mucous membranes. Harmful or fatal if swallowed. Harmful if inhaled. Pulmonary aspiration hazard- can enter lungs and cause damage. Contact with combustible material may cause a fire.

CARCINOGENIC LISTING:

Moderately toxic. Animal carcinogen.

ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:

Harmful by inhalation, in contact with skin and if swallowed.

STATEMENT OF PRACTICAL TREATMENT:

In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Assure adequate flushing of the eyes by separating the eyelids with fingers. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. If swallowed, wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse. Discard contaminated shoes.

SECTION VII - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Do not store near, nor allow contact with, clothing and other combustible material. Keep away from combustible materials, heat, sparks, and open flame. Protect from light. May develop pressure.



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STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:

Contain spill and ventilate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Collect spill in waste container. Absorb on sand or vermiculite and place in closed containers for disposal. Prevent spill from entering natural watercourses.

WASTE DISPOSAL METHOD:

Consult with environmental engineer or professional to determine if neutralization is appropriate and for handling procedures for residual material. Contact your local state and local waste disposal requirements that may be more restrictive or otherwise different from federal laws and regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Wear appropriate NIOSH/MSHA-approved respirator.

VENTILATION:

Normal ventilation is sufficient.

EYE PROTECTION:

Goggles

SKIN PROTECTION:

Chemical-resistant gloves.

OTHER PROTECTIVE EQUIPMENT:

As necessary to avoid skin contact with the product.

SECTION IX – REGULATORY INFORMATION

CHEMICAL INVENTORY STATUS:

Ingredient		TSCA	EC	Japan	Australia	Korea	Canada		Phil.
							DSL	NDSL	
Hydrogen Peroxide	7722-84-1	Y	Y	Y	Y	Y	Y	N	Y
Water	7732-18-5	Y	Y	Y	Y	Y	Y	N	Y

ACGIH = American Conference of Governmental Industrial Hygienists

CL = Ceiling Level

IARC = International Agency for Research on Cancer: Monographs

OSHA = Occupational Safety and Health Administration

N/A = Not Applicable

NTP = National Toxicology Program: Annual Report on Carcinogens

PEL = Permissible Exposure Level (OSHA)

TLV = Threshold Limit Value (ACGIH)

TWA = Time Weighted Average over 8 Hour

STEL = Short Term Exposure Limit (ACGIH)



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ND = Not Determined

MSHA = Mining Safety and Health Administration

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