Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name HYDROGEN PEROXIDE, TOPICAL SOLUTION USP
Commercial Name N/A
Product Use N/A
Restrictions On Use N/A

Product Code 30-5088

Company
PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: CFR 1910.1200 Oxidizing liquids Category 2 Acute oral toxicity Category 4 Acute Inhalation Toxicity - Dusts and Mists Category 4 Skin Corrosion/Irritation Category 1 A Serious Eye Damage/Eye Irritation Category 1

Signal Word DANGER

Hazard Statement(s) May intensify fire; oxidizer. Harmful if swallowed or if inhaled. Causes severe skin burns and eye damage.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area Do not breathe dust/fume/gas/mist/vapors/spray Wear protective gloves/protective clothing/eye protection/face protection Keep away from heat/sparks/open flames/hot surfaces. - No smoking Keep/Store away from clothing/ other combustible materials Take any precaution to avoid mixing with combustibles

Response Immediately call a POISON CENTER or doctor/physician Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Skin IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse Eyes IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Ingestion Rinse mouth Do NOT induce vomiting Fire In case of fire: Use CO2, dry chemical, or foam for extinction

Storage Store locked up Store in a well-ventilated place. Keep container tightly closed

Disposal Dispose of contents/container to an approved waste disposal plant

Section 3: Composition/Information on Ingredients

Substance/Mixture Mixture
Components Water, Hydrogen peroxide, Acetic acid
% By Weight 97, 3, <1
CAS# 7732-18-5, 7722-84-1
Molecular Weight 34
Chemical Formula H2 O2
Synonym(s) N/A

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Water	7732-18-5	97	N/A	N/A
Hydrogen peroxide	7722-84-1	3	N/A	N/A
Acetic acid	64-19-7	<1	N/A	N/A

Section 4: First-Aid Measures

Inhalation If not breathing, give artificial respiration. Remove from exposure, lie down. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician immediately.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Call a physician immediately.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Ingestion Do NOT induce vomiting. Clean mouth with water. Never give anything by mouth to an unconscious person. Call a physician immediately

Symptoms/Effects

Acute Causes burns by all exposure routes. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.

Delayed Causes burns by all exposure routes. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation

Immediate Medical Attention

Treat symptomatically

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

CO 2, dry chemical, dry sand, alcohol-resistant foam

Unsuitable Extinguishing Media

N/A

Products of Combustion

Hydrogen. Oxygen

Firefighters Special Equipment and Precautions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Environmental Precautions: Should not be released into the environment. See Section 12 for additional Ecological Information. Avoid release to the environment. Collect spillage. Methods for Containment and Clean Up: Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Do not breathe mist/vapors/spray. Do not ingest. If swallowed then seek immediate medical assistance. Ensure adequate ventilation. Storage. Keep container tightly closed in a dry and well-ventilated place. Keep cool and protect from sunlight. Keep away from combustible material. Keep only in the original container. Do not store in metal containers. Corrosives area. Incompatible Materials. Strong oxidizing agents. copper. Finely powdered metals. Reducing Agent. Strong bases. Strong reducing agents. Combustible material.

Section 8: Exposure Controls/Personal Protection

Exposure Limits Component: Hydrogen peroxide ACGIH TLV: TWA: 1 ppm OSHA PEL: (Vacated) TWA: 1 ppm, (Vacated) TWA: 1.4 mg/m3, TWA: 1 ppm, TWA: 1.4 mg/m3 NIOSH IDLH: IDLH: 75 ppm, TWA: 1 ppm, TWA: 1.4 mg/m3 Mexico OEL (TWA): TWA: 1 ppm

Engineering Controls Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

Personal Protection	Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance	Liquid, Clear
Odor	pungent
Odor Threshold	N/A

Melting Point	-33 °C / -27.4 °F	**pH**	3.3 (30 %)
Freezing Point	N/A	**Vapor Pressure**	23 mmHg @ 30 °C
Boiling Point/Range	108 °C / 226.4 °F @ 760	**Vapor Density**	1.10
Decomposition temperature	N/A	**Viscosity**	N/A
Partition Coefficient: n-octanol/water	N/A	**Evaporation Rate**	>1.0 (Butyl Acetate = 1.0)
Flash Point	N/A	**Autoignition temperature**	N/A
Flammability	N/A	**Flammability or Explosive Limits:**	
		Lower	N/A
		Upper	N/A

Solubility(ies)	Miscible with water
Other	Molecular Weight 34.01

Section 10: Stability and Reactivity

Reactivity	Yes
Chemical Stability	Oxidizer: Contact with combustible/organic material may cause fire. Light sensitive.
Hazardous Polymerization	Hazardous polymerization does not occur
Conditions to Avoid	Incompatible products. Excess heat. Exposure to light. Combustible material
Incompatible Materials	Strong oxidizing agents, copper, Finely powdered metals, Reducing Agent, Strong bases, Strong reducing agents, Combustible material
Hazardous Decomposition Products	Hydrogen, Oxygen

Section 11: Toxicological Information

RTECS N/A

Acute Toxicity
Oral LD50 Category 4. ATE = 300 - 2000 mg/kg. Dermal LD50 Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg. Mist LC50 Category 4. ATE = 1 - 5 mg/l.

Skin Corrosion/Irritation
Causes burns by all exposure routes

Serious Eye Damage/Irritation
Causes burns by all exposure routes

Respiratory or Skin Sensitization
Causes burns by all exposure routes

Germ Cell Mutagenicity
N/A

Carcinogenicity
Not available

Reproductive Toxicity
N/A

Routes of Entry
Causes burns by all exposure routes

Symptoms Related to Exposure

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation

Potential Health Effects

N/A

Target Organ(s) N/A

Section 12: Ecological Information

Ecotoxicity

Contains a substance which is:. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not empty into drains. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Hydrogen peroxide	EC50 2.5 mg/L/72h (P.promelas)	LC50: 16.4 mg/L/96h	Not listed	EC50 7.7 mg/L/24h
Acetic acid	-	Pimephales promelas: LC50 = 88 mg/L/96h Lepomis macrochirus: LC50 = 75 mg/L/96h	Photobacterium phosphoreum: EC50 = 8.8 mg/L/25 min Photobacterium phosphoreum: EC50 = 8.8 mg/L/5 min	EC50 = 95 mg/L/24h mg/L/15 min

Persistance and Degradability

Persistence is unlikely based on information available. Miscible with water

Bioaccumulative Potential

No information available.

Mobility in Soil

Will likely be mobile in the environment due to its water solubility

Component	log Pow
Hydrogen peroxide	-1.1
Acetic acid	-0.2

Other Adverse Effects

No information available.

Section 13: Disposal Considerations

Waste Disposal

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Disposal of Container

No information available.

Other Considerations

No information available.

Section 14: Transport Information

DOT Classification

DOT UN-No UN2014 Proper Shipping Name HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS Hazard Class 5.1 Subsidiary Hazard Class 8 Packing Group II TDG UN-No UN2014 Proper Shipping Name HYDROGEN PEROXIDE, AQUEOUS SOLUTION Hazard Class 5.1 Subsidiary Hazard Class 8 Packing Group II IATA UN-No UN2014 Proper Shipping Name HYDROGEN PEROXIDE, AQUEOUS SOLUTION Hazard Class 5.1 Subsidiary Hazard Class 8 Packing Group II IMDG/IMO UN-No UN2014 Proper Shipping Name HYDROGEN PEROXIDE, AQUEOUS SOLUTION Hazard Class 5.1 Subsidiary Hazard Class 8 Packing Group II

Section 15: Regulatory Information

Regulations

N/A

Other
N/A

Section 16: Other Information

N/A