

Section 1: Identification

Product Name Hydrogen Peroxide ACS 30%
Commercial Name Not available.
Product Use Not available.
Restrictions On Use Not available.

Product Code 50-2755

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: Oxidizing liquids Category 2 Acute toxicity, oral Category 4 Acute toxicity, inhalation Category 2 Skin corrosion/irritation Category 1A Serious eye damage/eye irritation Category 1 Specific target organ toxicity, repeated exposure Category 2
CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) May intensify fire; oxidizer. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Fatal if inhaled. May cause damage to organs through prolonged or repeated exposure.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention

Keep away from heat. Keep/Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Do not breathe vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear respiratory protection. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area.

Response

If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. continue rinsing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. In case of fire: Use water to extinguish. If inhaled: Remove person to fresh air and keep comfortable for breathing.

Storage

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

Disposal

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Hydrogen Peroxide, Water and Disodium stannate
% By Weight Hydrogen Peroxide:20-40%, Water:60-80%, Disodium Stannate:<100ppm
CAS# 7722-84-1, 7732-18-5
Molecular Weight Not applicable.
Chemical Formula Not available.
Synonym(s) Not available.

Mixtures

| Name | CAS# | % by Weight | TLV/PEL | LC50/LD50 |
|-------------------|------------|-------------|---------|-----------|
| Hydrogen Peroxide | 7722-84-1 | 20-40% | N/A | N/A |
| Water | 7732-18-5 | 60-80% | N/A | N/A |
| Disodium Stannate | 12058-66-1 | <100ppm% | N/A | N/A |

Section 4: First-Aid Measures

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| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately. |
| Skin Contact | IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. |
| Eye Contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately. |
| Ingestion | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. |
| Symptoms/Effects | |
| Acute | Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects. |
| Delayed | Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects. |

Immediate Medical Attention

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water.

Unsuitable Extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire.

Products of Combustion

Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed.

Firefighters Special Equipment and Precautions

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. In case of fire and/or explosion do not breathe fumes. In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk.

Section 6: Accidental Release Measures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep away from clothing and other combustible materials. Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapors or spray mist. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Methods and materials for containment and cleaning up: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dilute with water. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate the contaminated area. Wear appropriate protective equipment and clothing during clean-up. This product is miscible in water. Should not be released into the environment. Prevent entry into waterways, sewer, basements or confined areas. Clean up in accordance with all applicable regulations. Large Spills: Dike the spilled material, where this is possible. Allow the hydrogen peroxide to decompose. Flush to sewer if local regulations permit. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Environment: Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Handling: Keep away from heat. Take any precaution to avoid mixing with combustibles. Keep away from clothing and other combustible materials. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. Storage: Store locked up. Keep away from heat. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Do not store near combustible materials. Store away from incompatible materials (see Section 10 of the SDS). Store in original vented container.

Section 8: Exposure Controls/Personal Protection

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|-----------------------------|---|
| Exposure Limits | Hydrogen Peroxide TWA: 1 (ppm) from ACGIH (TLV) [United States] TWA: 1 (ppm) from OSHA (PEL) [United States] TWA: 1 STEL: 2 [Canada] TWA: 1.4 (mg/m ³) from NIOSH TWA: 1.4 (mg/m ³) from OSHA (PEL) [United States] TWA: 1 (ppm) [United Kingdom (UK)] TWA: 1.4 (mg/m ³) [United Kingdom (UK)] |
| Engineering Controls | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. An eye wash and safety shower must be available in the immediate work area. |
| Personal Protection | Eye/face protection: Chemical goggles are recommended. Wear face shield if there is risk of splashes. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Skin protection Hand protection: Wear appropriate chemical resistant gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided. Thermal hazards: Wear appropriate thermal protective clothing, when necessary. General hygiene considerations: Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. |

Section 9: Physical and Chemical Properties

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|---|---|--|----------------|
| Appearance | Clear colorless liquid. Aqueous solution | | |
| Odor | Odorless | | |
| Odor Threshold | Not available | | |
| Melting Point | Not available. | pH | 2 - 3.5 |
| Freezing Point | -14.8 °F (-26 °C) | Vapor Pressure | 23mmHg@30C |
| Boiling Point/Range | 224.6 °F (107 °C) | Vapor Density | 1.1 (Air = 1) |
| Decomposition temperature | Not available | Viscosity | Not available |
| Partition Coefficient: n-octanol/water | Not available | Evaporation Rate | Not available |
| Flash Point | Not available | Autoignition temperature | Not available. |
| Flammability | Not available | Flammability or Explosive Limits: | |
| | | Lower | Not available. |
| | | Upper | Not available |
| Solubility(ies) | Easily soluble in cold water. Soluble in diethyl ether. | | |
| Other | Density 1.11 g/cm3 Not explosive.Explosive properties Molecular formula H2O2 Molecular weight 34.02 May intensify fire; oxidizer.Oxidizing properties Percent volatile 100 % | | |

Section 10: Stability and Reactivity

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|---|--|
| Reactivity | Greatly increases the burning rate of combustible materials. |
| Chemical Stability | Not available. |
| Hazardous Polymerization | Hazardous polymerization does not occur. |
| Conditions to Avoid | Heat. Contact with incompatible materials. Contamination. |
| Incompatible Materials | Combustible material. Reducing agents. Reducing agents |
| Hazardous Decomposition Products | Oxygen |

Section 11: Toxicological Information

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|--|---|
| RTECS | Not available. |
| Acute Toxicity | Fatal if inhaled. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. |
| Skin Corrosion/Irritation | Not available |
| Serious Eye Damage/Irritation | Not available |
| Respiratory or Skin Sensitization | Not available |
| Germ Cell Mutagenicity | Not available |
| Carcinogenicity | Not available. |
| Reproductive Toxicity | No information found |
| Routes of Entry | Inhalation. Skin. Eye. Ingestion. |
| Symptoms Related to Exposure | |



Safety Data Sheet

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

Hydrogen Peroxide ACS 30%

50-2755

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Potential Health Effects

Prolonged inhalation may be harmful.

Target Organ(s) May cause damage to organs through prolonged or repeated exposure.

Section 12: Ecological Information

Ecotoxicity

HYDROGEN PEROXIDE, 30%: Aquatic: Fish LC50 Fish 381 mg/l, 24 Hours HYDROGEN PEROXIDE (CAS 7722-84-1): Aquatic: Fish LC50 Chameleon goby (Tridentiger trigonocephalus) 155 mg/l, 24 hours Jack Mackerel (Trachurus japonicus) 89 mg/l, 24 hours

* Estimates for product may be based on additional component data not shown. J

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations

Waste Disposal

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Dilute with lots of water and discharge to sewer after decomposition. The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner

Disposal of Container

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Considerations

Not available

Section 14: Transport Information

DOT Classification

UN number Hydrogen peroxide, aqueous solutions with not less than 20 percent but not more than 40 percent hydrogen peroxide (stabilized as necessary) UN proper shipping name 5.1Class Transport hazard class(es) 8Subsidiary risk 5.1, 8Label(s) IIPacking group Read safety instructions, SDS and emergency procedures before handling.Special precautions for user A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24, TP37Special provisions NonePackaging exceptions 202Packaging non bulk 243Packaging bulk

Section 15: Regulatory Information

Regulations



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US federal regulations TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification HYDROGEN PEROXIDE (CAS 7722-84-1) 1000 LBS OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated. Superfund Amendments and Reauthorization Act of 1986 (SARA) Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Hazard categories SARA 302 Extremely hazardous substance Chemical name CAS number Reportable quantity (pounds) Threshold planning quantity (pounds) Threshold planning quantity, lower value (pounds) Threshold planning quantity, upper value (pounds) HYDROGEN PEROXIDE 7722-84-1 1000 1000 NoSARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Not regulated. Safe Drinking Water Act (SDWA) California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Other

Not available.

Section 16: Other Information

Not available.