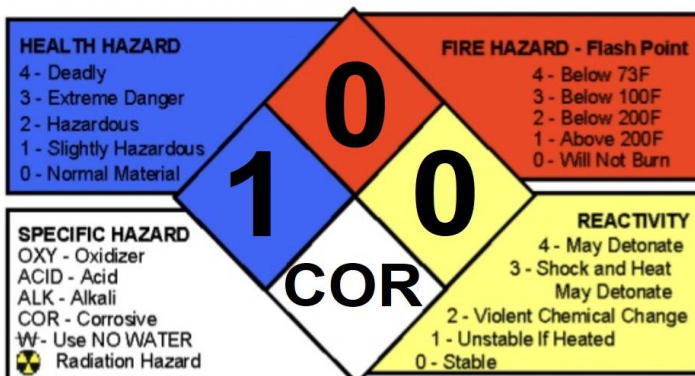


COMPANY DETAILS

Name: Pure Hydrogen Peroxide
 Address: 855 S. Main Ave. Suite #K377
 Fallbrook, Ca. 92028
 Email: help@purehydrogenperoxide.com
 Contact No. 619-349-7033
 Website: www.PureHydrogenPeroxide.com



1. PRODUCT AND COMPANY IDENTIFICATION:

Trade Name: Pure Hydrogen Peroxide Cleaning Disinfectant 8% Food Grade

Chemical Family: Oxidizer

Chemical Name: Hydrogen peroxide

Use: Disinfectant cleaner and antimicrobial to help kill microscopic pathogens on surfaces and in the air. First aid to help prevent risk of infection; Aids in the removal of phlegm, mucous or other oral secretions

Chemical Abstract:

UN No: 2984

OSHA: 1 PPM

NIOSH: 1 PPM

2. HAZARDOUS IDENTIFICATION:

Classification of the substance or mixture

OSHA Regulatory Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity – Oral: Category 4

Serious eye damage/eye irritation: Category 1

Oxidizing Liquids: Category 3

Hazard Statements:

H318 - Causes serious eye damage

H302 - Harmful if swallowed

H272 - May intensify fire; oxidizer

Pictogram:



HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD	(BLUE)	1
FLAMMABILITY HAZARD	(RED)	0
PHSICAL HAZARD	(YELLOW)	0

Hazard Scale:

0 = minimal

1= slight = moderate

3= serious 4 = sever

*=Chronic Hazard

Precautionary Statements:

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P220 - Keep/Store away from clothing/ flammable materials /combustible materials

P221 - Take any precaution to avoid mixing with combustibles - flammables

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

P330 - Rinse mouth

P370 + P378 - In case of fire: Use water for extinction

PROTECTIVE EQUIPMENT

EYES	RESPIRATORY	HANDS	BODY
	Not Required		Not Required

For routine Industrial Use and Handling Applications

Other Information **Keep container in a cool place out of direct sunlight. Store only in vented containers. Do not store on wooden pallets. Do not return unused material to its original container. Avoid contamination - Contamination could cause decomposition and generation of oxygen which may result in high pressure and possible container rupture. Empty drums should be triple rinsed with water before discarding.**

3. COMPOSITION:

Hazard Components: Hydrogen peroxide

Component Name	CAS No	Percentage	Hazard	GHS Classifications
Hydrogen peroxide	7722-84-1	8%	Irritant	Ox. Liq. 1;H271 Acute Tox. 4;H332 Acute Tox. 4;H302 Skin Corr. 1A;H314

Ingredients: There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES:

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Use water spray to keep fire-exposed containers cool. Vapor may cause flash fire. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated.

Description of First Air Measures

Product in eye:	Flush with large amounts of water. Consult a physician.
Product on skin:	Remove soaked clothing and launder before reuse. Wash skin with water and soap. If symptoms develop or persist, consult a doctor.
Product ingested:	Rinse mouth. DO NOT INDUCE VOMITING. Consult a doctor.
Product inhaled:	Supply fresh air; consult a doctor if symptoms develop.

5. FIRE FIGHTING MEASURES:

Extinguishing media:	Water
For safety reasons unsuitable Extinguishing agents:	Water Jet
Combustion or flue gases:	oxygen arises on combustion decomposition which may support combustion.
Protective Equipment:	Wear protective clothing/equipment when fighting fires

6. ACCIDENTAL RELEASE MEASURES:

Avoid contact with spilled or released material For Guidance on selection of personal protective equipment see chapter 8 of this material safety data sheet. See Chapter 13 for information on disposal observes the relevant local and international regulations.

For non-emergency personnel: **Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.**

For emergency responders: **Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.**

Environmental precautions: **Use appropriate containment to avoid environmental contamination prevent from spreading or entering drains.**

Spills/Leaks: **Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed space**

Methods for containment and cleaning up: **Gather them carefully. Sweep up in a chemical waste container flush residual area with copious amounts of water**

Additional Advice: Fire-extinguishing devices should be prepared in case of a fire local authorities should be advised if significant spillage cannot be contained.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

7. HANDLING AND STORAGE:

Precautions for safe handling: **Wash hands and face thoroughly after handling. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Prevent buildup of vapors to explosive concentration. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.**

Suitable material: **Stable under normal conditions.**

Handling / Storage precautions: **Away from heat.**

Information about protection **Keep ignition sources away - Do not smoke.**

Against explosions and fires: **Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire, even after use. Do not spray on flames or red-hot objects**

Storage: **Keep containers tightly closed. Store in a cool, dry place and well-ventilated place. Away from high temperature. Keep container tightly closed and sealed until ready for use. Store away from high ignition sources and incompatible materials such as oxidizing agents.**

Requirements to be met by **Store in cool location**

Storerooms and containers: **Observe official regulations on storing packaging with pressurized containers.**

Information about storage in one Common storage facility:

Do not store together with strong acids and strong oxidizing agents.

Further information about

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Control Parameters

Exposure Guidelines: Ingredients with workplace control parameters.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Hydrogen peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³	Mexico: TWA 1 ppm Mexico: TWA 1.5 mg/m ³ Mexico: STEL 2 ppm Mexico: STEL 3 mg/m ³
Chemical name	British Columbia	Quebec	Ontario TWA EV	Alberta
Hydrogen peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³

Additional information: **Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet.
Promptly remove soiled clothing and wash thoroughly before reuse.**

Personal protective equipment General protective and hygienic Measures:

Wash hands during breaks and at the end of the work.

Breathing equipment:	Not required but ensure adequate ventilation when using the product.
Protection of hands:	Rubber or vinyl gloves.
Eye protection:	Not required when used as directed.
Respiratory protection:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Engineering Measures:	Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Colorless
Odor:	Odorless
Odor threshold:	Not Available.
PH (concentration):	Not Available.
Melting point/range (°C):	Not Available.
Boiling point/range (°C):	101°C
Flash point (°C):	Not Available
Evaporation rate:	Not Available.
Flammability (solid, gas):	Not Available.
Ignition temperature (°C):	Not Available.
Upper/lower flammability:	Not Available.
Vapor pressure (30 °C):	30 mmHg
Vapor density:	Not Available.
Relative density (25 °C):	Not Available.
Water solubility (g/L) at 20 °C:	Not Available.
Water partition coefficient:	Not Available.
Auto-ignition temperature:	Not Available.
Decomposition temperature:	74°C
Viscosity, dynamic (MPa s):	Not Available.
Other information:	
Fat solubility:	Not Available.
Bulk density:	Not Available.
Dissociation constant (PKa):	Not Available.
Oxidation-reduction potential:	Not Available.

10. STABILITY AND REACTIVITY:

Reactivity:	None Known, Based on information available.
Conditions to avoid:	No decomposition if used according to instructions
Incompatible materials:	Oxidizing agents and strong acids.
Hazardous decomposition Products:	In case of fire, NOx, H2, CO and CO2 may be possible.

11. TOXICOLOGICAL INFORMATION:

Product Information

LD50 Oral:	50% solution: LD50 > 225 mg/kg bw (rat) 35 % solution:LD50 1193 mg/kg bw (rat) 70 % solution: LD50 1026 mg/kg bw (rat)
LD50 Dermal:	35% solution: LD50 > 2000 mg/kg bw (rabbit) 70 % solution: LD50 9200 mg/kg bw (rabbit)
LC50 Inhalation:	50% solution: LC50 > 170 mg/m ³ (rat) (4-hr) Hydrogen Peroxide vapors: LC0 9400 mg/m ³ (mouse) (5 –15 minutes) Hydrogen Peroxide vapors: LC50 > 2160 mg/m ³ (mouse)

Serious eye damage/eye irritation Skin irritation: **Corrosive. Risk of serious damage to eyes. Moderately irritating.**

Sensitization **Did not cause sensitization on laboratory animals.**

Information on toxicological effects

Symptoms: **Vapors, mists, or aerosols of hydrogen peroxide can cause upper airway irritation, inflammation of the nose, hoarseness, shortness of breath, and a sensation of burning or tightness in the chest. Prolonged exposure to concentrated vapor or to dilute solutions can cause irritation and temporary bleaching of skin and hair. Exposure to vapor, mist, or aerosol can cause stinging pain and tearing of eyes.**

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity **This product contains hydrogen peroxide. The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans). The American Conference of Governmental Industrial Hygienists (ACGIH) has concluded that hydrogen peroxide is a 'Confirmed Animal Carcinogen with Unknown Relevance to Humans' (A3).**

Chemical name	ACGIH	IARC	NTP	OSHA
Hydrogen peroxide 7722-84-1	A3	3		

Mutagenicity: **This product is not recognized as mutagenic by Research Agencies In vivo tests did not show mutagenic effects**

Reproductive toxicity: **This product is not recognized as reprotox by Research Agencies. No toxicity to reproduction in animal studies.**

STOT - single exposure **Not classified.**

STOT - repeated exposure **Not classified**

12. ECOLOGICAL INFORMATION:

Aquatic toxicity - fish: **Toxic in large quantities**

Aquatic tox. - daphnia: **Toxic in large quantities**

Aquatic toxicity - algae: **Toxic in large quantities**

Biodegradability : **Not readily biodegradable**

Mobility : **Miscible with water**

13. DISPOSAL CONSIDERATIONS:

Material Disposal: **Recover or recycle if possible. It is responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into environment, in drains or in water courses**

Waste treatment methods: **Dispose of in accordance with municipal, provincial and national regulations.**

Disposal methods : **In accordance with local regulations.**

Disposal of packaging : **In accordance with local regulations**

14. TRANSPORT INFORMATION:

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

ADR/RID Class: **5.1**

UN Number: **2984**

Correct technical name: **Hydrogen peroxide**

Label: **Pure Hydrogen peroxide 8% food Grade**

Goods are classed as "Limited Quantities" and are therefore exempt from ADR regulations. Check local legislation for domestic transport.

Maritime transport IMDG/GGV Sea

IMDG/GGV Sea Class: **5.1**

UN Number: **2984**

Marine Pollutant **No**

Correct technical name: **Hydrogen Peroxide**

AEROSOLS is required according to IMDG regulations

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: **5.1**

UN/ID Number: **2984**

Correct Technical Name: **Hydrogen peroxide**

15. REGULATORY INFORMATION:

US FEDERAL

Health & Safety Reporting List: **None of the chemicals are on the Health & Safety Reporting List.**

Chemical Test Rules: **None of the chemicals in this product are under a Chemical Test Rule.**

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: **None of the chemicals in this material have a SNUR under TSCA.**

CERCLA Hazardous Substances and corresponding RQs: **None of the chemicals in this material have an RQ.**

SARA Section 302 Extremely Hazardous Substances: **None of the chemicals in this product has a TPQ.**

Section 313: **No chemicals are reportable under Section 313.**

Clean Air Act: **This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.**

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: **None of the chemicals in this product are considered highly hazardous by OSHA.**

California Prop 65: **California No Significant Risk Level: None of the chemicals in this product are listed. European/International Regulations**

16. OTHER INFORMATION:

R-phrases used in document:

R36 Irritating to eyes

Uniform Fire Code Oxidizer:

Class 1--Liquid

Disclaimer:

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Department issuing data specification sheet: Pure Hydrogen Peroxide