

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** OXY 12  
**Chemical Name** Hydrogen peroxide

**Recommended use of the chemical and restrictions on use**

**Recommended use** Laundry stain removal  
**Restrictions on use** For industrial use only

**Supplier details**

West Penetone Inc.  
 11411-160 Street  
 Edmonton, AB,  
 T5M3T7  
 Tel: 780-454-3919

**Emergency Telephone Number**

Canutec 1-(613)-996-6666 Internationally or 1-888-226-8832 – North America FOR 24 HOUR TRANSPORT EMERGENCY

## 2. HAZARDS IDENTIFICATION

**Classification**

Oxidizing liquids	Category 3
Corrosive to metals	Category 1
Acute toxicity, inhalation – dust/mist	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity – single exposure	Category 3
Hazardous to the aquatic environment, acute hazard	Category 2

**Label Elements**

**DANGER**

**Hazard Statements**

May intensify fire; oxidizer  
 May be corrosive to metals  
 Harmful if inhaled  
 Causes skin irritation  
 Causes serious eye damage  
 May cause respiratory irritation  
 Toxic to aquatic life



**Precautionary Statements - Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Keep away from clothing and other combustible materials.  
 Keep only in original packaging  
 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Wash face, hands and any exposed skin thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Avoid release to the environment.  
 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

IF ON SKIN: Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
 Absorb spillage to prevent material-damage.  
 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.

**Precautionary Statements - Storage**

Store in a corrosion resistant/container with a resistant inner liner. Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
hydrogen peroxide	7722-84-1	12

### 4. FIRST AID MEASURES

<b>Ingestion</b>	Rinse mouth. Remove person to fresh air and keep comfortable for breathing. Do not induce vomiting unless directed by medical personnel. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Skin contact</b>	Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if symptoms develop or persist.
<b>Eye contact</b>	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.

**Most important symptoms and effects, both acute and delayed**

Contact with eyes may cause conjunctivitis, corneal burns and permanent damage. Contact with skin may cause irritation with local redness. Inhalation may cause severe respiratory irritation as well as pulmonary edema. Toxic effects of inhalation may be delayed. Ingestion of high concentrations causes rapid release of oxygen gas which may expand the esophagus or stomach resulting in severe damage such as bleeding, ulceration, or perforation. Ingestion may cause burns to gastrointestinal tract. Aspiration into lungs may occur during ingestion or vomiting, resulting in lung injury.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

None.

**Specific hazards arising from the chemical**

Oxidizing liquid. During fire, material may release large quantities of oxygen supporting combustion or the risk of explosions.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Use personal protective equipment. Avoid breathing mist.

**Environmental Precautions**

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains/surface waters/groundwater.

**Methods and material for containment and cleaning up**

Contain and solidify with inert absorbent material. Keep in suitable, closed containers for disposal. Following product recovery, flush contaminated area with water. For large spills, stop flow of material, prevent product from entering drains, and pump off product where this is without risk and possible. Proceed as above.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Handling** Avoid contact with skin, eyes and clothing. Avoid inhalation of mist.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place, away from incompatible materials.

**Incompatible Materials** Strong reducing agents, metals, salts, organics, dust and dirt.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
hydrogen peroxide, 30% w/w 7722-84-1	TWA: 1 ppm/1.4 mg/m <sup>3</sup>	TWA: 1 ppm/1.4 mg/m <sup>3</sup>	Not available

**Appropriate engineering controls**

**Engineering Controls** Under the intended modes of use, exposure control measures not required.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Safety glasses with side shields.

**Skin and body protection** Wear protective gloves and suitable protective clothing.

**Respiratory Protection** No personal respiratory equipment normally required. Use respiratory protection in cases of vapor/aerosol release.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:**

Colorless liquid

**ODOR:**

Odorless

**ODOR THRESHOLD:**

Not applicable

**pH:**

Approx. 1.5

**MELTING POINT / FREEZING POINT:**

0°C

**BOILING POINT/BOILING RANGE:**

104°C

**FLASH POINT:**

None

**EVAPORATION RATE, water = 1:**

1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C:**

18

**VAPOR DENSITY (Air = 1):**

1

**RELATIVE DENSITY AT 20°C:**

1.100

**SOLUBILITY IN WATER:**

Complete

**PARTITION COEFFICIENT, N-OCTANOL/WATER:**

Not available

**AUTO-IGNITION TEMPERATURE:**

None

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY:**

Not available

**FLAMMABLE LIMITS:**

**UPPER:** Not applicable **LOWER:** Not applicable

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive.

### Chemical Stability

Stable under normal conditions.

### Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### Conditions to Avoid

Extreme temperatures. Store away from incompatible materials.

### Incompatible Materials

Strong reducing agents, metals, salts, organics, dust and dirt.

### Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. During fire, material may release large quantities of oxygen supporting combustion or the risk of explosions.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**ATE<sub>mix</sub>** – LD50 oral – approx. 3573 mg/kg (human), LD50 dermal – approx. 7500 mg/kg (rat), LC50 inhalation-dust/mist – approx. 5 mg/L – 4 h (rat)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrogen peroxide 30% w/w 7722-84-1	1429 mg/kg (human)	3000 mg/kg (rat)	2 mg/L (rat) – 4 h dust/mist

### Information on likely sources of exposure

<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Inhalation</b>	May be harmful if inhaled.

### Delayed and immediate effects and also chronic effects from short and long-term exposure

<b>Respiratory or skin sensitization</b>	Not a sensitizer.
<b>Germ cell mutagenicity</b>	None known.
<b>Carcinogenicity</b>	No listed carcinogens.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT-repeated exposure</b>	No information available.
<b>Aspiration Hazard</b>	None.

### Symptoms related to the physical, chemical and toxicological characteristics

See Section 2 & 4.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical Name	Fish	Waterflea	Algae
Hydrogen peroxide, 30% w/w 7722-84-1	37.4 mg/L: 96 h LC50	2.4 mg/L: 48 h EC50	0.1 mg/L: 72 h NOEC

### Persistence and degradability

Not applicable to inorganic substances.

### Bioaccumulative potential

Does not significantly accumulate in organisms.

### Mobility in soil

No information available

### Other adverse effects

No other adverse environmental effects are expected.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method** Dispose of in accordance with local regulations.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

**14. TRANSPORT INFORMATION**

UN Number: 2984  
UN Proper Shipping Name: Hydrogen Peroxide, Aqueous Solution  
Transport Hazard Class(es)  
Class: TDG: 5.1  
US DOT: 5.1  
IMDG: 5.1  
Label(s): 5.1  
Packing Group: III  
Marine Pollutant: No  
Special precautions for user: None established  
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:  
Not determined

**15. REGULATORY INFORMATION****Canada (DSL/NDSL)**

All ingredients contained in this product are in compliance with the Canadian Environmental Protection Act and are listed on the DSL or are exempt.

**United States (TSCA)**

All ingredients contained in this product are listed on the TSCA inventory or are exempt.

**HMIS Information:**

Health: 3  
Flammability: 0  
Reactivity: 1

**16. OTHER INFORMATION**

**Preparation Date** 14 December 2020  
**Revision Date** Not applicable  
**Revision Note** Not applicable

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of SDS**