

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** OXYBRITE

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

**Recommended use** Stain remover - laundry  
**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 (613)-996-6666

## 2. HAZARDS IDENTIFICATION

**Classification**

Oxidizing liquids	Category 2
Acute toxicity, oral	Category 4
Skin corrosion/irritation	Category 1A
Serious eye damage/eye irritation	Category 1
Hazardous to the aquatic environment, acute hazard	Category 3

**Label Elements**

**DANGER**

**Hazard Statements**

May intensify fire; oxidizer  
Harmful if swallowed  
Causes severe skin burns and eye damage  
Harmful 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.  
Do not breathe dust or mists.  
Wash face, hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

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.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

#### **Precautionary Statements - Storage**

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**

<b>Chemical Name</b>	<b>CAS-No</b>	<b>Weight %</b>
hydrogen peroxide	7722-84-1	29

### **4. FIRST AID MEASURES**

<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
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

#### **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 burns resulting in local redness or blistering and permanent damage. 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**

Strong oxidizer. Contact with combustible or incompatible materials may cause a fire or support combustion. 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 vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

### 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 vapor or mist.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep in closed, vented containers away from direct sunlight in a dry, cool (2-8°C) and well-ventilated place, away from incompatible materials.

**Incompatible Materials** Organic and combustible materials, strong reducing agents or alkali, metals.

## 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** Eye wash facilities and safety showers should be made available when handling this product. Ensure adequate ventilation, especially in confined areas.

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

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

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

**Respiratory Protection** Wear respiratory protection in case 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**

Slightly pungent

### **ODOR THRESHOLD :**

Not applicable

### **VAPOR PRESSURE, mm Hg AT 20°C :**

23.3

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

1.1

### **RELATIVE DENSITY AT 20°C:**

1.100

**pH :**

Approx. 3.3

**MELTING POINT / FREEZING POINT :**

Approx. -33°C

**BOILING POINT/BOILING RANGE :**

Approx. 108°C

**FLASH POINT :**

None

**EVAPORATION RATE, water = 1 :**

1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**SOLUBILITY IN WATER :**

Complete

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

Not available

**AUTO-IGNITION TEMPERATURE :**

Not available

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY:**

Not available

**FLAMMABLE LIMITS :****UPPER:** Not applicable **LOWER :** Not applicable**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive.

**Chemical Stability**

Light sensitive. Storage at room temperature leads to decomposition at a rate of 0.5% per year.

**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**

Organic and combustible materials, strong reducing agents or alkali, metals.

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition can lead to release of oxygen.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

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****Serious eye damage/irritation**

Causes serious eye damage.

**Skin corrosion/irritation**

Causes severe skin burns.

**Inhalation**

May be harmful if inhaled.

**Ingestion**

Expected to be a low ingestion hazard.

**Delayed and immediate effects and also chronic effects from short and long-term exposure****Respiratory or skin sensitization**

Not a sensitizer.

**Germ cell mutagenicity**

None known.

**Carcinogenicity**

No listed carcinogens.

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT-repeated exposure**

No information available.

**Aspiration Hazard**

None.

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

May cause severe skin burns or eye damage.

**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**

Do not release untreated into natural waters. 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****TDG classification**

UN 2014, Hydrogen Peroxide, Aqueous Solution, Class 5.1 (8), PG II

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

**16. OTHER INFORMATION****Preparation Date**

25 May, 2016

**Revision Date**

not applicable

**Revision Note**

not applicable

**Disclaimer**

The information provided on this MSDS 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**