

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** OXYBRITE SB 5%

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

**Recommended use** Polysulfide remediation  
**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**

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

**Label Elements**

**DANGER**

**Hazard Statements**

Causes skin irritation  
 Causes serious eye damage



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling.  
 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: Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
hydrogen peroxide	7722-84-1	0.5-1.5

#### 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>	Wash with plenty of water. If skin irritation occurs, get medical advice/attention.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if symptoms develop or persist.
<b>Ingestion</b>	Rinse mouth. Remove person to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed by medical personnel. 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 irritation, discomfort or pain, excess blinking and tear production with marked redness of the conjunctiva, possible corneal burns and permanent damage. Contact with skin may cause irritation with local redness.

#### **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**

None.

##### **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**

Use personal protective equipment.

##### **Environmental Precautions**

Prevent further leakage or spillage if safe to do so.

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

Contain and solidify with inert absorbent material. Keep in suitable, closed containers for disposal. For large spills, stop flow of material, collect spillage, and pump off product where this is without risk and possible. Proceed as above.

#### 7. HANDLING AND STORAGE

##### **Precautions for Safe Handling**

**Handling** Wash hands and other exposed areas with mild soap and water before eating drinking or smoking and when leaving work.

##### **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.

**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 :**

9.5

### **MELTING POINT / FREEZING POINT :**

0°C

### **BOILING POINT/BOILING RANGE :**

100°C

### **FLASH POINT :**

None

### **EVAPORATION RATE, water = 1 :**

1

### **FLAMMABILITY (SOLID, GAS):**

Not applicable

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

Not applicable

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

Not applicable

### **RELATIVE DENSITY AT 20°C:**

1.000-1.010

### **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.

**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**

<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>	Expected to be a low inhalation hazard.

**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**

Eye irritation. Skin irritation.

**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****TDG classification**

Not regulated

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

**16. OTHER INFORMATION**

<b><u>Preparation Date</u></b>	4 October, 2016
<b><u>Revision Date</u></b>	15 November, 2017
<b><u>Revision Note</u></b>	Adjustment to Section 2 – hazard classifications

**Disclaimer**

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**End of SDS**