SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier

Product Name	OXYBRITE SB
Chemical Name	Hydrogen peroxide solution

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

Main office – (780)-454-3919, 8:00 AM to 4:30 PM MST

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 SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
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 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 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	≤ 29.5

4. FIRST AID MEASURES

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

Skin contact Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

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

Eye contact 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 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. Use recommended personal protective equipment.

Conditions for safe storage, including any incompatibilities

Storage Keep in closed, vented containers away from direct sunlight in a dry, cool (2-8ºC) 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^3	TWA: 1 ppm/1.4 mg/m^3	Not available

Appropriate engineering controls

Engineering Controls Eyewash 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
pH :
Approx. 3.3
MELTING POINT / FREEZING POINT :
Approx. -33ºC (-27ºF)
BOILING POINT/BOILING RANGE :
Approx. 108ºC (226ºF)
FLASH POINT :
None
EVAPORATION RATE, water = 1 :
1
FLAMMABILITY (SOLID, GAS) :
Not applicable

VAPOR PRESSURE, mm Hg AT 20ºC (68ºF) :
23.3
VAPOR DENSITY (Air = 1) :
1.1
RELATIVE DENSITY AT 20ºC (68ºF) :
1.100
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

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

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. Inhalation may cause severe respiratory irritation as well as pulmonary edema. Ingestion of high concentrations may result in severe damage such as bleeding, ulceration, or perforation with burns to gastrointestinal tract.

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

UN Number: 2014
UN Proper Shipping Name: Hydrogen Peroxide, Aqueous Solution
Transport Hazard Class(es)
Class: TDG: 5.1 (8)
US DOT: 5.1 (8)
IMDG: 5.1 (8)
Label(s): 5.1 (8)
Packing Group: II
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 6 October 2016
Revision Date 8 July 2025
Revision Note **Revision 2 -** Modifications to Section 1

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