

MATERIAL SAFETY DATA SHEET

HADDON EQUIPMENT & SUPPLIES
8441 MAIN STREET
VANCOUVER, B.C. V5X 3Y2

Phone: (604) 325-3281
In Case of Emergency Only:
Phone CANUTEC: (613) 996-6666
Valid: Nov. 2011 - Nov. 2013

PRODUCT NAME: LIQUID OXYGEN BLEACH **CODE: L537**
OTHER NAME: LIQUID OXYGEN BLEACH
DISTRIBUTED BY:

WHMIS CLASSIFICATION: E; C; F
TDG CLASSIFICATION: HYDROGEN PEROXIDE, AQUEOUS SOLUTION; Class 5.1(8); UN 2014; PG II

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD₅₀ & LC₅₀)
Hydrogen Peroxide 35% (stabilized) (providing 16.4% available oxygen)	60-100	7722-84-1	ACGIH TLV - 1 ppm LD ₅₀ Oral (rat) 1193 mg/kg LD ₅₀ Dermal (rabbit) >2000 mg/kg

PHYSICAL DATA FOR PRODUCT

Physical State: Liquid Sp. Gravity: 1.135 pH: < 5
Boiling Point: 108°C Vapour Pressure: 23 mm Hg at 20°C
Vapour Density: 0.8-1.0 Evaporation Rate: N/A
Freezing Point: -32°C
Solubility in Water: 100%
Appearance & Odour: Clear, colorless, odourless liquid.

FIRE AND EXPLOSION DATA FOR PRODUCT

Flash Point (Test Method): N/A
Flammable Limits in Air, % by vol. Non-flammable Lower: N/A Upper: N/A
Fire Extinguishing Substances: (X) Water Fog () Foam () CO₂ () Dry Chem (X) Other: Use water only.
Hazardous Combustion Products: Oxygen. Oxygen pressure in containers. Release of gas will increase explosion limits and burning rate of flammable vapors.

Special Firefighting Procedures: Flood with water. Cool containers. Wear full protective clothing including chemical splash goggles and self-contained breathing apparatus.

REACTIVITY DATA FOR PRODUCT

Incompatibility: () Water (X) Oxidizing Material () Acid (X) Base
(X) Other: Most metals, rust, dirt, organics, wood, paper or other combustibles.
Hazardous Decomposition Products: Oxygen

Chemical Stability: Decreases with: Contact with organic material, excessive heat, light exposure, increase in pH and contamination with most metals.

*N/A - Not applicable.

Product Name: **LIQUID OXYGEN BLEACH (LIQUID OXYGEN BLEACH)**

HEALTH HAZARD INFORMATION FOR PRODUCT

EMERGENCY and FIRST AID PROCEDURES

- Inhalation: Get fresh air. Keep victim warm and at rest. For prolonged inhalation get medical attention.
- Ingestion: Drink no more than 2 glasses of water. Do not induce vomiting. Get medical attention.
- Eyes: Flush thoroughly with water for 15 minutes. Get medical attention.
- Skin: Flush with plenty of water. If irritation persists, get medical attention.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

- Inhalation: May produce severe irritation and inflammation of respiratory tract.
- Ingestion: Do not take internally. Ingestion may cause irritation and corrosion of mucous membranes, esophageal or gastric tracts.
- Eyes: Keep away from eyes. May cause severe irritation and corneal burns. Irreversible tissue damage may cause blindness.
- Skin: Skin contact may result in irritation, white discoloration and burns.

PREVENTIVE MEASURES

Steps to be taken upon release or spillage (including neutralizing):

May be neutralized with sodium sulphite or sodium bisulphate after diluting with water to 5% or less.

Waste disposal method:

Flush with water for small spills. Dispose according to environmental regulations. May be drained through scrap metal pile.

Handling and Storage Requirements:

Container should be kept closed when not in use. Store away from heat, direct light source and organic material. Never return unused hydrogen peroxide to original container.

Ventilation Requirements (Local or General):

Use in well ventilated area.

Respiratory Protection:

An approved respirator should be worn if the TLV of the product is exceeded. For severe vapour or mist (concentration in excess of 10 ppm) use NIOSH certified self contained breathing apparatus.

Eye Protection:

Chemical goggles and/or full face mask.

Other Protection:

Rubber or neoprene gloves may be worn. Normal working clothing covering arms and legs. Rubber or neoprene footwear.