

# MATERIAL SAFETY DATA SHEET

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## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME:** ISO OPTION **EXO** PERM NEUTRALIZER

**MANUFACTURER'S NAME:**

**Zotos International Inc.**

**EMERGENCY #:** (800) 584-8038 - 24 hours

**INFORMATION #:** (203) 656-7859 (8:30 am– 5:00 pm)

**ADDRESS (NUMBER, STREET, CITY, STATE, & ZIP CODE):**

**100 Tokeneke Road,  
Darien, CT 06820**

**PREPARED: 8/05/08**

**CURRENT MSDS UPDATE: 5/04/2011**

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME(S)	CAS NUMBER	TLV-TWA	PEL	OTHER LIMITS RECOMMENDED
Hydrogen Peroxide	7722-84-1	1ppm	1ppm	None

## SECTION 3. HAZARDS IDENTIFICATION

**Physical/chemical hazards:** The data available do not support any physical or chemical hazard.  
**Human health hazards:** The data available do not support any adverse human health hazard.  
**Environmental hazards:** The data available do not support any environmental hazard.

## SECTION 4. FIRST-AID MEASURES

### Effects and symptoms

**Inhalation:** No specific effects and/or symptoms have been reported or known.

**Ingestion:** May cause some gastric distress.

**Skin contact:** Exposure may cause irritation, blisters or burns.

**Eye contact:** Prolonged or repeated exposure may be irritating (redness, tears and pain).

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## First-aid measures

**Inhalation:** Remove victim to fresh air. Consult a doctor in the event of any complaints.

**Ingestion:** Consult with a physician immediately in all cases.

**Skin contact:** Wash the affected skin with running water.

**Eye contact:** Immediately wash out with plenty of water with the eyelid held wide open for at least 15 minutes. Consult a doctor in the event of any complaints.

**Protection of first-aiders:** Avoid exposure. Use appropriate protection (see section 8).

## SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Water, ABC all-purpose fire extinguisher, CO<sup>2</sup> extinguisher.

**Special fire-fighting procedures:** None

**Unusual Fire and Explosion Hazards:** Not known

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Rubber gloves required.

**Environmental precautions:** Store in cool, dry area. This product is safe if used according to directions.

**Methods for cleaning up:** Seal leak if possible without risk. Collect spilled material in sealable containers. Wash away remainder with plenty of water.

## SECTION 7. HANDLING AND STORAGE

**Handling:** When handling the product, allow for materials and conditions which should be avoided (see Section 10). Avoid contact with skin and eyes.

**Specific use(s):** Not available.

**Storage:** Store in dry area at normal temperatures. Avoid storing at high temperature or near heat source. Avoid freezing temperatures.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering measures:** Ventilation recommended.

**Hygiene measures:** When using do not eat, drink or smoke. Follow good housekeeping practices.

**Occupational Exposure:** No occupational exposure limits have been established

## Personal Protective Equipment

**Respiratory system:** With sufficient ventilation, extraction or closed system, breathing apparatus not necessary.

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Other protective equipment: Not available.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Viscous liquid.  
**Color:** Off white  
**Odor:** Fragranced  
**Molecular weight:** Not available.  
**Boiling point:** > 100 °C  
**Melting point:** Not available.  
**Density:** 1.1 - 2.1  
**Vapour density (air=1):** Not available.  
**Vapor pressure:** Not available.  
**Specific gravity (H<sub>2</sub>O=1):** 1.005  
**Solubility in water:** Soluble  
**Octanol/water partition:** Not available  
**pH:** \_3.5\_ - \_4.2\_  
**Flash point:** Not available.  
**Explosion properties:** Not explosive.

## SECTION 10. STABILITY AND REACTIVITY

**Product Stability:**  Unstable  Stable  
**Conditions to avoid:** Temperatures exceeding 140°F (60°C) and contamination of any kind.  
**Chemical Incompatibility:** Reducing agents, metals.  
**Hazardous Decomposition Products:** Contaminated product generates oxygen gas. Pressure in container may build up to a dangerous level.  
**Hazardous Polymerization:**  May Occur  Will Not Occur

## SECTION 11. TOXICOLOGICAL INFORMATION

**Toxicity:** Slightly Toxic (LD<sub>50</sub> >5 gm/kg)  
**Acute toxicity:** N/A  
**Dermal:** Repeated exposure may cause skin dryness or cracking.  
**Eye irritation:** May be irritating.

## SECTION 12. ECOLOGICAL INFORMATION

No ecological information is known on the product.

