

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: ISO OPTION PERM PRE-TREATMENT

Manufacturer Name: Zotos International, Inc

Emergency #: (800) 584-8038 - 24 hours

Address (Number, Street, City, State, & Zip Code):

Information #: (203) 656-7859 (8:30am - 5:00pm)

100 Tokeneke Road
Darien, CT 06820

www.zotos.com

Prepared: December 03, 2008

Current MSDS Update: May 5, 2011

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME(S)	CAS NUMBER	TLV-TWA	PEL	OTHER LIMITS RECOMMENDED	HAZARDS
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No hazardous ingredients.

SECTION 3. HAZARDOUS 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: Avoid

Skin contact: Prolonged or repeated exposure may be irritating (redness, pain).

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

First-aid measures:

Inhalation: Not Available.

Ingestion: Wash out mouth with water. Make victim drink water or milk. Get medical attention.

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Skin contact: In the unlikely event a skin reaction such as rashes or swelling should occur, flush area w/water and consult a dermatologist or other physician.

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 suitable: All types of extinguishing agent permitted. Dike fire control water for later disposal.

Special fire-fighting procedures: None Listed.

Protection of fire-fighters: Non-combustible. No special procedure.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid spills. Keep container closed.

Environmental precautions: Prevent dispersion.

Methods for cleaning up: Seal leak if possible without risk. Prevent dispersion. 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: Keep container tightly closed. Keep in a dry place. Keep at temperatures above 0 °C.

Packaging materials

Suitable: Not available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Ventilation recommended.

Hygiene measures: Follow good housekeeping practices.

Occupational Exposure Limits: No occupational exposure limits have been established

Personal protective equipment

Respiratory system: Not available.

Skin and body: Not available.

Hands: Not available.

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Eyes: Not available.

Other protective equipment: Not available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Color: Dark

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 (H₂O=1): 1.00 - 1.01

Solubility in water: Soluble

Octanol/water partition: Not available.

Coefficient pH: 3.2 - 3.5

Flash point: Not available.

Explosion properties: Not explosive.

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Hazardous reactions: Not available.

Hazardous decomposition products: None Listed.

SECTION 11. TOXICOLOGICAL INFORMATION

Ingestion: Call your physician or Poison Control Center

Acute toxicity - Dermal: Repeated exposure may cause skin dryness.

Eye irritation: May be irritating.

Skin irritation: N/A

SECTION 12. ECOLOGICAL INFORMATION

No ecological information is known on the product.

Other Information: None Listed.

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SECTION 13. DISPOSAL CONSIDERATIONS

Methods of disposal: Disposal according to the local legislation.

Waste of residues: Keep waste separate. Because of possible pollution, remove as industrial waste or hazardous waste.

Contaminated packaging: Keep waste packaging separate. Because of possible pollution, remove as industrial waste or hazardous waste.

SECTION 14. TRANSPORT INFORMATION

DOT Class: Exempt Red Label _____ ORM-D: _____
Oxidizer _____ UN No. N/A

SECTION 15. REGULATORY INFORMATION

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) This Material is not known to contain any chemicals currently listed as carcinogens or reproductive toxics under California Proposition 65 at levels which would be subject to the proposition.

SECTION 16. SUPPLIER INFORMATION

The information contained herein is, to the best of our knowledge and belief, accurate and reliable as of the date issued. We do not however, warrant or guarantee the accuracy or reliability, nor shall we be liable for any loss or damage arising out of the use thereof. The information offered is for the user's consideration and examination, and it is the user's responsibility to satisfy himself that it is suitable and complete for his particular use.

ABBREVIATIONS

Na (N/A): Not Available

UNK: Unknown

NE (N/E): Not Established

ND (N/D): Not Determined