



Material Safety Data Sheet

72479D

Revision Date: 11/20/2007

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PEROXYDONE™ XL-10

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Responsible Party: International Specialty Products
1361 Alps Rd.
Wayne, N.J. 07470
U.S.A.
Telephone: (973) 628-4000

Emergency Telephone Number: CHEMTREC: 1-800-424-9300 or 703-527-3887 (Outside of the USA)
(Spill Related Emergencies)
PROSAR: 1-800-241-7439 (Health Related Emergencies)

Prepared By: Product Stewardship

Product Id: 72479D

Product Name: PEROXYDONE™ XL-10

CAS Registry Number: 9003-39-8; 7722-84-1

CAS Name: 2-Pyrrolidinone, 1-ethenyl-, homopolymer; Hydrogen peroxide

Synonyms: Plasdone Hydrogen Peroxide Complex

Product Use: Personal Care

2. HAZARDS IDENTIFICATION

Emergency Overview

DANGER! EXTREMELY IRRITATING TO EYES AND MAY CAUSE SEVERE DAMAGE INCLUDING BLINDNESS.
HARMFUL IF SWALLOWED. STRONG OXIDIZER CONTACT WITH OTHER MATERIALS MAY CAUSE FIRE.
POWDERED MATERIALS MAY FORM EXPLOSIVE DUST-AIR MIXTURES.

Hazard Overview

Target Organs:

- Eyes
- Skin

Primary Route(s) of Exposure: Eyes. Dermal - skin. Inhalation.

Acute Health Hazards: Extremely irritating to eyes and may cause severe damage including blindness.

Chronic Health Hazards: None known

Signs and Symptoms of Overexposure

Eye Contact: Extremely irritating to eyes and may cause severe damage including blindness.

Skin Contact: May cause slight skin irritation.

Ingestion: Harmful if swallowed.

Inhalation: May irritate respiratory passages.

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components:	Weight %
2-Pyrrolidinone, 1-Ethenyl-, Homopolymer 9003-39-8	80-83
HYDROGEN PEROXIDE 7722-84-1	8-20

4. FIRST AID MEASURES

Eye Contact:	In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
Skin Contact:	Wash with soap and water.
Ingestion:	Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	If inhaled, remove to fresh air. If not breathing or if breathing is difficult, give artificial respiration or oxygen by trained personnel. Seek medical attention.

5. FIRE FIGHTING MEASURES

NFPA Rating:	Health: 2 Flammability: 1 Reactivity: 1
Flash Point (°F):	Not determined
Extinguishing Media:	Water mist , Water fog, carbon dioxide, foam, dry chemical
Unusual Fire/Explosion Hazards:	Kst= 77 bar-m/sec - St-1 hazard class (NFPA 68) Oxygen released on exothermic decomposition may support combustion in case of surrounding fire. Oxidizing agent, may cause spontaneous ignition with combustible materials. Contact with flammables may cause fire or explosions. Pressure burst may occur due to decomposition in confined spaces/containers. Powdered material may form explosive dust-air mixtures.
Special Protective Equipment:	Fire fighters should wear full protective clothing, including self-contained breathing equipment.
HMIS RATING:	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:	Use appropriate protective equipment.
Procedure for Cleaning/Absorption:	Scoop up and remove. Minimize dust generation and accumulation. Remove ignition sources.

7. HANDLING AND STORAGE

Handling:	Do not get in eyes. Minimize dust generation and accumulation. Avoid generating or breathing dust. Wash thoroughly with soap and water after handling.
Storage:	Keep containers tightly closed when not in use. Store in a cool, dry place, out of direct sunlight. Avoid ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use in a well ventilated area.
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Respiratory Protection: Wear a NIOSH approved respirator appropriate for airborne exposure at the point of use.

Hand Protection: Use gloves as a standard industrial handling procedure.

Eye Protection: Chemical goggles; also wear a face shield if splashing hazard exists.

Exposure Limits

Components:	ACGIH Threshold Limit Values Data - Time Weighted Average (TWA):	OSHA Specifically Regulated Substances Data - Time Weighted Average (TWA):
2-Pyrrolidinone, 1-Ethenyl-, Homopolymer 9003-39-8	No TLV/TWA Established	No TLV/TWA Established
HYDROGEN PEROXIDE 7722-84-1	1 ppm	1.4 mg/m ³ 1 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder

Color: White

Odor: Not determined

Odor Threshold: Not available

pH: 6-7 (1% solution)

Specific Gravity: Not determined

Boiling Point (°F): Not determined

Melting Point/Freezing Point(°F): Not determined

Vapor Pressure: Not determined

Solubility: Soluble in Water

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of handling, use and transportation.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Strong alkali, strong acid, strong oxidants. Minimize dust generation and accumulation. Keep away from heat, sparks and flame.

Materials to Avoid: Acids or alkalies. Metals. Reducing agents. Organic chemicals. Flammables. Metal salts such as aluminum chloride. Cyanides. Nitric acid. Potassium permanganate. (H₂O₂)

Hazardous decomposition products: Oxides of nitrogen. oxygen/peroxides

11. TOXICOLOGICAL INFORMATION

Toxicity Test:

Acute Oral LD50 (mg/kg): >5,000 (Rat, ~20% H₂O₂ / PVP complex)

Skin Irritation: Slightly irritating to rabbit skin (PII = 1.167, 4 hr exposure, ~20% H2O2/PVP complex)

Corrosive to rabbit skin (24 hr exposure, ~20% H2O2/PVP complex)

Minimally irritating to rabbit skin (PII = 0.34, 24 hr exposure, ~5.4% H2O2/PVP complex)

Eye Irritation: Highly irritating to rabbit eyes (10% H2O2 solution)

Mildly irritating to rabbit eyes (~5.4% H2O2/PVP complex) note: Eye irritation study was not done with the actual (~20%) concentration of H2O2 in the product due to the corrosive results observed in the skin irritation study with 24 hr exposure.

12. ECOLOGICAL INFORMATION

Biodegradability: Not determined.

Aquatic Toxicity: No data is available on the adverse effects of this material on the environment.

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

14. TRANSPORT INFORMATION

Land Transportation:

DOT (Non-Bulk):

UN/NA Number: UN3088

DOT Shipping Name: SELF-HEATING SOLID, ORGANIC N.O.S. (CONTAINS HYDROGEN PEROXIDE)

Hazard Class: 4.2

Packing Group: II

DOT (Bulk):

UN/NA Number: UN3088

DOT Shipping Name: SELF-HEATING SOLID, ORGANIC N.O.S. (CONTAINS HYDROGEN PEROXIDE)

Hazard Class: 4.2

Packing Group: II

Air Transportation (IATA):

UN Number: 3088

Proper Shipping Name: SELF-HEATING SOLID, ORGANIC N.O.S. (CONTAINS HYDROGEN PEROXIDE)

Hazard Classification: 4.2

Packing Group: II

Sea Transportation (IMO):

UN/ID Number: 3088

Proper Shipping Name: SELF-HEATING SOLID, ORGANIC N.O.S. (CONTAINS HYDROGEN PEROXIDE)

Hazard Classification: 4.2

Packing Group: II

TDG (Canada):

UN Number: 3088

Proper Shipping Name: SELF-HEATING SOLID, ORGANIC N.O.S. (CONTAINS HYDROGEN PEROXIDE)

Hazard Class: 4.2

Packing Group: II

15. REGULATORY INFORMATION

TSCA Inventory List: This product and/or its components is listed on TSCA.

**California Proposition 65
Carcinogens & Reproductive
Toxicity (CRT) List:** None of the components of this product is listed on CALPROP.

**WHMIS Ingredient Disclosure
List:** One or more components of this product is listed on the WHMIS Ingredient Disclosure list.

Canada DSL Inventory List: This product and/or its components is listed on DSL.

Canada NDSL Inventory List: This product and/or its components is not listed on NDSL.

**Japan Inventory of Existing &
New Chemical Substances
(ENCS):** This product and/or its components is listed on ENCS.

**Australia Inventory of Chemical
Substances (AICS) List:** This product and/or its components is listed on AICS.

EU EINECS List: This product and/or its components is not listed on or is exempt from EINECS.

ELINCS: This product and/or its components is not listed on ELINCS.

Components:	EPCRA (SARA Title III) Section 313 Toxic Chemical Data - De minimis concentration:	EPCRA (SARA Title III) Section 302 Extremely Hazardous Substance -	EPCRA (SARA Title III) Section 302 Extremely Hazardous Spill Data - Reportable quantity:	EPCRA (SARA Title III) Section 302 Extremely Hazardous Substance Data - Threshold Planning Quantity:	EPCRA (SARA Title III) Section 313 Toxic Chemical -
HYDROGEN PEROXIDE 7722-84-1		Listed.	1000 LBS	1000 LBS	

16. OTHER INFORMATION

Prepared By: Product Stewardship

Legend: N.Av.= Not Available; N.Ap.= Not Applicable

Important Note:

For purposes of this MSDS, International Specialty Products, as responsible party, provides the information herein which is intended for use by persons who have or should obtain professional knowledge and experience in the subjects discussed. ISP's industrial products are used as materials in the production of products by industrial customers. ISP usually has only limited information about the products of its customers and their composition, methods of manufacture and use. Accordingly, ISP MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS OR RELIABILITY OF INFORMATION HEREIN EXCEPT THAT SUCH INFORMATION IS, TO THE BEST OF ISP'S KNOWLEDGE AND BELIEF, ACCURATE AS OF THE DATE INDICATED. ISP recommends that customers independently test and evaluate its products and their products and processes in which ISP products are used in order to decide their safety and effectiveness.

*****END OF MSDS*****