

Product name: Ultra-Sol FOP

Last revised date: 18-Sep-02

1. Chemical Product and Company Identification

Product Name: Ultra-Sol FOP

Application: Fiber Optic Bundle Polishing compound

Manufacturer information: Eminess Technologies, Inc.

Corporate offices: 14555 North Scottsdale Road; Suite 220 Scottsdale, AZ 88254	Manufacturing offices: 1419 Rocky River Road North Monroe, NC 28110
Phone: 1-480-505-3409 1-866-364-6377 1-888-899-1942	Phone: 1-704-283-2600 1-800-376-5474

2. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of: water, abrasive, and proprietary chemical additives

Component	CAS-No.:	Hazard classification:	Notes:
Trade Secret Ingredient, <10%	n/a	(AS DRY DUST) OSHA PEL: 20 Million particles per cubic foot of air (MPPCF 8 hour time weighted average [TWA]) ACGIH TLV: 2 mg/m ³ Respirable dust. ACGIH TLV: 5 mg/m ³ Total dust. TSCA Inventory Status: Included.	
Trade Secret Ingredients, <10%	n/a	Quantities contained in this product are not categorized as hazardous as defined by the Dept. of Transportation, nor are they dangerous goods as defined by ICAO for air transportation TSCA inventory status: Included.	
Deionized Water, >80%	7732-18-5	n/a	

3. HAZARDS IDENTIFICATION

Emergency overview:

Not listed as a carcinogen by IARC, NTP, or OSHA. May cause slight irritation to skin and eyes.

Potential Health effects:

Eyes: Slightly irritating, high concentrations can cause conjunctivitis, not corrosive.

Skin: Non-irritating to rabbit skin and non-sensitizing to guinea pig skin. Very low toxicity by absorption.

Ingestion: Very low toxicity

Inhalation: Spray mist or dry dust may cause congestion, coughing, granuloma in lungs.

4. FIRST-AID MEASURES

Eye contact: In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists, seek medical advice.

Skin contact: Wash affected area with a waterless hand cleaner and/or soap and water. If irritation persists, consult a physician.

Ingestion: If material is swallowed, get immediate medical attention or advice. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Inhalation: If inhaled, immediately remove the affected person to fresh air. Seek medical attention.

5. **FIRE FIGHTING MEASURES**

Flash Point: Not applicable

Method used: Not applicable

Upper Flammable Limit (UFL): Not applicable

Lower Flammable Limit (LFL): Not applicable

Auto Ignition: Not applicable

Flammability Classification: Non Flammable

Rate of Burning: Not applicable

General Fire Hazards: Product is non-combustible

Hazardous Combustion Products: Carbon dioxide (CO₂), carbon monoxide (CO),

Extinguishing media: Dry chemical, foam, carbon dioxide (CO₂), water fog

Fire Fighting Equipment/Instructions: Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

6. **ACCIDENTAL RELEASE MEASURES**

Containment procedures

Stop the flow of material, if this is without risk

Clean-Up procedures

Wear appropriate protective equipment and clothing during clean-up. Absorb spill with inert material. Shovel material into appropriate container for disposal.

Evacuation procedures

Isolate area. Keep unnecessary personnel away.

Special procedures

No information available for the product.

7. **HANDLING AND STORAGE**

Handling procedures

Avoid contact with skin and eyes. Observe good industrial hygiene practices and wash thoroughly after handling

Technical measures

Work practice should minimize contact

Technical precautions

Local exhaust is recommended

Storage procedures

Store in tightly closed original container in a cool, well-ventilated place away from incompatible materials. Keep from freezing.

8. **EXPOSURE CONTROL/PERSONAL PROTECTION**

Engineering controls

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product

Personal Protective Equipment (PPE)

Eyes/Face:

Wear safety glasses, chemical goggles, or, a full face shield

Skin:

Use impervious gloves. Use of impervious apron and boots are recommended

Respiratory:

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Beige or tan, Medium viscosity liquid

Odor: None

pH: 8-9

Physical State: Liquid

Melting point: 32°F (0°C)

Boiling point: 212°F (100°C)

Flash point: N/A

Solubility (H₂O): Dispersible

Viscosity: Medium

10. **STABILITY AND REACTIVITY**

Chemical stability:

This is a stable material.

Chemical stability: Conditions to avoid

None specific

Incompatibility

None specific

Hazardous decomposition products

None specific

11. TOXICOLOGICAL INFORMATION

Inhalation

Not relevant at normal room temperatures.

Skin contact

Prolonged contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation.

Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

12. ECOLOGICAL INFORMATION

Mobility

This product is water soluble and may spread in water systems.

Degradability

The degradability of the product has not been stated.

Ecotoxicity

The product is not expected to be hazardous to the environment.

13. DISPOSAL CONSIDERATIONS

US EPA Waste number and descriptions

A: General Product Information

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Waste Material:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Contaminated packaging:

Dispose of contaminated packaging as residue.

14. TRANSPORT INFORMATION

The product is not regulated as hazardous by the Dept. of Transportation or IATA.

15. REGULATORY INFORMATION

Precautionary label

Do not freeze

16. OTHER INFORMATION

All statements, technical information and recommendations contained herein are based on tests and data which this company believes to be currently reliable, however, the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under nor a recommendation to practice or infringe any patent of this company or others covering any process, composition or matter or use. Since the company shall have no control of the use of the product described herein, the company assumes no liability for loss or damage incurred from the proper or improper use of such product. The company assumes no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose.

This is the end of the MSDS for Ultra-Sol FOP.