

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ultra-Sol™ 1000HP

Application: Polishing Compound

Manufacturer Information: Corporate Offices:
Eminess Technologies, Inc.
1620 W. Fountainhead Parkway Suite 510
Tempe, AZ 85282

Manufacturing Offices:
Eminess Technologies, Inc.
1419 Rocky River Road North
Monroe, NC 28110

Phone: 1-480-505-3409
1-866-364-6377
1-888-899-1942

1-704-283-2600
1-800-376-5474

2. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of: Water and abrasive

Component	CAS-No.	Hazard classification	Notes
Cerium Oxide	1306-38-3	(AS DRY DUST) PEL: 10mg/m ³ TLV: 10mg/m ³ Non-hazardous as defined by the Dept of Transportation, nor is it a dangerous good as defined by ICAO for air transportation.	
Deionized Water	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: Not absorbed through skin. Prolonged or repeated contact may cause dermatitis.

Ingestion: May cause irritation of the digestive tract.

Inhalation: Spray mist or dry dust may cause congestion, coughing, granuloma in lungs. Prolonged inhalation or overexposure to dusts may cause irreversible lung damage.

4. FIRST-AID MEASURES

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists, consult a physician.

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: n/a

Method Used: n/a

Upper Flammable Limit (UFL): n/a

Lower Flammable Limit (LFL): n/a

Auto Ignition: n/a

Flammability Classification: Non Flammable

Rate of Burning: n/a

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: Off-white to ivory

Boiling Point: 212°F (100°C)

Odor: None

Flash Point: n/a

pH: 8-10

Solubility (H₂O): Dispersible

Physical State: Liquid

Viscosity: Medium

Melting Point: 32°F (0°C)

10. STABILITY AND REACTIVITY

Chemical Stability: This is a stable material.

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

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.

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

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This is the end of the MSDS for Ultra-Sol™ 1000HP.
