



## SAFETY DATA SHEET

Current Revision: 3, 9-13-2016	Prepared By: Ben Ward, Product Engineer
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### I. IDENTIFICATION

<b>EMERGENCY PHONE:</b> <b>CHEMTREC- (800) 424-9300</b> <b>CCN 19481</b>	Salem Fabrication Supplies 5901 Gun Club Road Winston-Salem, NC 27103 Information: <b>(800) 234-1982</b>
<b>PRODUCT NAME:</b> Salem 22 Rare Earth Polishin 3 <b>Compound</b>	
<b>SYNONYMS:</b> Cerium/Rare Earth Oxide	

#### Recommended Use:

Industrial glass polishing.

#### Restrictions:

N/A

### II. HAZARD IDENTIFICATION

#### Classification (§1910.1200):

Not hazardous according to GHS standards.

#### Signal Word/Symbols:

GO BEYOND THE EDGE

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5901 Gun Club Road  
Winston-Salem, NC 27103

Office: 800.234.1982 | 336.766.1104

#### CALIFORNIA

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Office: 800.445.6339 | 562.944.6155

#### PENNSYLVANIA

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New Kensington, PA 15068

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#### WASHINGTON

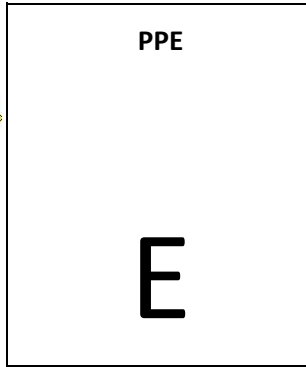
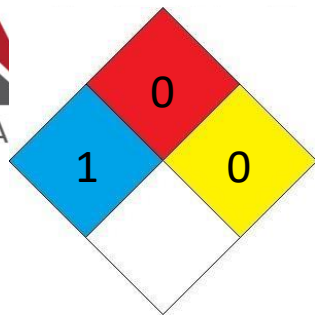
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N/A

**Hazard Statement:**

N/A

**Precautionary Statement:**

N/A

**Miscellaneous Hazards:**

N/A

**Unknown Acute Toxicity Statement:**

N/A

**III.COMPOSITION**

CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
Cerium Oxide	Cerium, Ceria	1306-38-3	>80
Lanthanum Oxide		1312-81-8	<25

**Classified Impurities and Additives:**

N/A

**IV.FIRST AID MEASURES**

**Inhalation:**

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If breathed in, move person into fresh air. If symptoms persist, call a physician.

**Skin Contact:**

Immediately wash skin with soap and copious amounts of water. Remove all contaminated clothing and shoes. If irritation develops and persists, seek immediate medical attention.

**Eye Contact:**

Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. If irritation persists, get medical aid.

**Ingestion:**

If victim is conscious and alert, give 2-4 cups full of water. Never give anything by mouth to an unconscious person. Get medical attention if irritation or symptoms occur.

**Symptoms/Effects:**

Irritation

**Level Of Medical Attention Needed:**

Contact physician if symptoms persist.

## V. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:**

Use dry chemical, carbon dioxide, water spray, or regular foam. Not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:**

None known.

**Specific Hazards:**

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During a fire, irritating or highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air and can spread along the ground and collect in low or confined areas.

**Special Protective Equipment:**

As in any fire, wear a pressure demand self-contained breathing apparatus; MSHA/NIOSH approved or equivalent, and full protective gear.

## VI. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:**

Keep in well ventilated area. And provide ventilation to spill area. Avoid dusty conditions.

**Protective Equipment:**

Use proper protective equipment according to section 8.

**Emergency Procedures:**

Wear protective equipment and wash with water if necessary.

**Methods for Cleanup/Removal:**

Vacuum or sweep up material and place into suitable disposal container. Reduce airborne dust and scattering by moistening with water. Clean up spills immediately.

## VII. HANDLING AND STORAGE

**Handling Precautions:**

Wash thoroughly after handling. Removing contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure.

**Safe Storage Conditions:**

Store in a cool, dry, well-ventilated area away from incompatible substances. Protect from moisture.

**Incompatibilities:**

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Strong acids and oxidizers.

## VIII. EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

<b>OSHA PEL:</b> None known.	<b>ACGIH TLV:</b> None known.	<b>OTHER EXPOSURE LIMITS:</b> None known.
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### Appropriate Engineering Controls:

Eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

### Personal Protective Measures:

Wear splash goggles.  
 Wear appropriate protective gloves to protect skin exposure.  
 Wear appropriate protective clothing to prevent skin exposure. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN149. Use a NIOSH/MSHA/EN149 approved respirator if exposure limits or irritation or other symptoms occur.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Light pink powder

<b>Odor:</b> None	<b>Odor Threshold:</b> N/A	<b>Ph:</b> 6.5-7
<b>Melting/Freezing Point:</b> Not known	<b>Boiling Point:</b> 5180-5792°F (28603200 °C)	<b>Boiling Range:</b> 5180-5792°F (2860-3200 °C)

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<b>Flash Point:</b> N/A	<b>Evaporation Rate:</b> N/A solid	<b>Flammability (Solid, Gas):</b> N/A
<b>Upper/Lower Flammability/Explosive Limit:</b> N/A	<b>Vapor Pressure:</b> None/solid	<b>Vapor Density:</b> None/solid
<b>Relative Density:</b> Not known.	<b>Solubility (ies):</b> Insoluble in water.	<b>Partition Coefficient:</b> N- <b>Octanol/Water:</b> Not known.
<b>Auto Ignition Temperature:</b> N/A	<b>Decomposition Temperature:</b> N/A	<b>Viscosity:</b> Not applicable, solid

## X.STABILITY AND REACTIVITY

### Reactivity:

Stable under normal temperatures and conditions.

### Chemical Stability:

Stable under normal temperatures and pressures.

### Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

### Conditions to Avoid: Static Discharge, Shock, Vibrations, Etc.

Incompatible materials, dust generation, excess heat, and exposure to moist air and water.

### Incompatible Materials:

Oxidizing agents and strong acids.

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**Hazardous Decomposition Products:**

Irritating and highly toxic gases may be formed.

**XI. TOXICOLOGICAL INFORMATION**

**Possible Exposure Routes (Inhalation Etc.):**

Inhalation, skin contact, ingestion, and eye contact.

**Symptoms Related To Toxicological Characteristics:**

May cause eye irritation, conjunctivitis, ulceration, and corneal abnormalities.

May cause mild skin irritation.

May cause gastrointestinal irritation with nausea, vomiting, and diarrhea.

May cause respiratory tract irritation. Low hazard.

**Delayed, Immediate, and Chronic Effects:**

Repeated exposure may cause pulmonary inflammation and hyperemia (excess of blood in location).

**Numerical Toxicity Measurements:**

Cerium Oxide:

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Oral, rat LD50 > 5000 mg/kg

Lanthanum Oxide:

Draize test, rabbit, eye: 100mg mild

Oral, mouse, LD50 = 2450mg/kg

Oral, rat, LD50 > 8500mg/kg

**NTP/LARC/OSHA Known Carcinogen:**

No genotoxicity, carcinogenic, mutagenic, or teratogenic effects known.

**XII. ECOLOGICAL INFORMATION**

**Ecotoxicity:**

Lanthanum Oxide:

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Fish Brassica rerio: LC50 > 100mg/l/96h

**Persistence and Degradability:**

Not known.

**Bioaccumulative Potential:**

Not known.

**Soil Mobility:**

Not known.

**Other Adverse Effects:**

N/A

**XIII. DISPOSAL CONSIDERATIONS**

**Waste Residue and Disposal:**

Products considered hazardous for supply are classified as Special Waste with disposal covered by regulation that may vary from location to location. Contact specialist disposal company or local authority for advice. Empty containers must be cleaned and decontaminated before recycling.

**XIV. TRANSPORT INFORMATION**

<b>UN Number:</b> N/A	<b>UN Proper Shipping Name:</b> Not hazardous	<b>Transport Hazard Class (es):</b> Not regulated as hazardous.
<b>Packing Group:</b> N/A	<b>Environmental Hazards:</b>	<b>Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code)</b> N/A
	None	

**Special Precautions:**

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None known.

## XV. REGULATORY INFORMATION

### Environmental/ Health/ Safety:

United States TSCA Inventory: All ingredients are found on the TSCA inventory.

## XVI. OTHER INFORMATION

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Salem Fabrication Supplies. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Salem Fabrication Supplies assumes no legal responsibility for use of or reliance upon this information.

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