



418 North Buchanan
Circle, Unit 4, Pacheco, CA
94553
(888) 769-0001

Material Safety Data Sheet

Section 1: Chemical Name /Company-Identification/Emergency Contact

Product Name: Polishing Compound
Product Codes: CeO₂ 2N,3N,4N
Chemical Family: Lanthanide Oxide
Chemical Formula: CeO₂
Responsible Party: GlassRenu
418 North Buchanan Circle, Unit 4,
Pacheco, CA 94553
(888) 769-0001

Section 2: Composition/Ingredients

CAS No.	Component	Formulation Weight%
1306-38-3	Cerium Oxide:	50-100

Section 3: Hazards Identification

Emergency Overview

Health Hazards: Nuisance dusts can cause eye and skin irritation. Avoid contact with
Eyes and skin. Do not taste or swallow. Wash thoroughly after handling.

Target Organs: None known

Potential Health Effects:

Eyes: May cause eye irritation

Skin: May cause skin irritation

Ingestion: Low degree of toxicity.

Inhalation : Nuisance dust if inhaled may cause respiratory tract irritation.

Chronic: Repeated over-exposure to a nuisance dust may result in irritation of the
respiratory tract , pneumoconiosis (dust congested lungs), pneumonitis (lung
inflammation), coughing, and shortness of breath.

Primary route of Entry: Inhalation

Handling this material can generate airborne dust:

Nuisance Dust Exposure limits (re:29 CFR Part 1910.1000):

Respirable fraction	5mg/m ³
Total dust	15mg/m ³

Section 4: First Aid Procedures

Eyes: Move victim away from exposure and into fresh air. Flush eyes with clean water for a minimum of 15 minutes, occasionally lifting the upper and lower eyelids. If symptoms develop, seek medical attention.

Skin: First aid is normally not required. However, good hygiene practice is recommended. Wash affected area with soap and water. Rinse with clean water. If irritation or redness develops, seek medical attention.

Ingestion: First aid is not normally required. Rinse mouth with clean (potable) water. If symptoms develop, seek medical attention.

Inhalation: Move victim away from exposure and into fresh air. If not breathing, clear the airway and administer artificial respiration. If breathing difficulties develop, qualified personnel may administer oxygen. Seek immediate medical attention.

Section 5: Physical and Chemical Properties

Appearance: Brownish tan to medium tan colored powder

Physical State: Solid

Chemical Formula: CeO_2

Molecular Weight: 172.1

Melting Point: N/A

Density: N/A

Flash Point: Non Flammable

Flammable/Explosive Limits(% LEL/UEL): Not Applicable

Auto-ignition Temperature: Not applicable

Burn Rate (solids only): Not applicable

Odor: Odorless

Solubility in Water : Very Low

Vapor Pressure: Not Applicable

Vapor Density: Not Applicable

Evaporation Rate: Not Applicable

Section 6: Stability and Reactivity

Chemical Stability: Stable under normal conditions of storage and handling.

Conditions to Avoid : None known

Hazardous Decomposition Products : None known

Hazardous Polymerization : None known

Section 7: Disposal, Transportation, and Regulatory Information

Disposal: This material if discarded as produced, is not an RCRA "listed" hazardous waste. However, to assure proper disposal of the product, by-products, or empty

containers, consult with local and state regulations and disposal authorities. Disposal of wastes must be done in accordance with federal, state, and local regulations.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

DOT Hazard Class and Division: Not Classified as Hazardous

UN Identification Number: Not Applicable

EPA Reportable Quantity: None

Section 8: Handling and Storage:

Handling:

1. Respiratory Protection: NIOSH approved dust mask (re:29 CFR 1910.134)
2. Local Exhaust: Use adequate ventilation to meet occupational exposure limits.
3. Protective Gloves: Wear impervious gloves to reduce exposure with the skin.
4. Eye Protection: Wear appropriate protective eye glasses or chemical safety goggles (re: 29 CFR 1910.133)

Storage:

Store in a cool, dry place, in a tightly closed container.

Section 9: Fire Fighting Measures

Flammable Properties: Flash Point: Not Flammable
LEL/UEL: Not Applicable
DOT Hazard Class: Not Applicable
Auto-ignition Temperature: Not Applicable
Bum Rate(solids): Not Applicable

Unusual Fire&Explosion Hazards: Unknown

Extinguishing Media: Use suitable extinguishing agent based upon the type of surrounding fire.

Section 10: Disclaimer of expressed and implied warranties

The information in the document is believed to be correct as of the date issued.

However, no warranty of merchantability or any other warranty, express or implied, with respect to such information is to be implied regarding the accuracy or completeness of the information, the results to be obtained from the use of the information or product, the safety of the product, or the hazards related to its use. This information and product are furnished on condition that the users receiving them shall make their own determinations as to the suitability of the information for their particular purpose.