



MATERIAL (SAFETY DATA SHEET)

PRODUCT CERIUM

1. Product Identification

Product code: 25000, 25001, 25005
Product Name Glass Polishing Compound
Recommended Use: Glass Polishing

Manufacturer/Supplier
Delta Kits Inc.
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Emergency Telephone number
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2. Hazard identification

GHS classification

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

GHS label element Pictogram or symbol



Warning

Signal Word:

Hazard Statements : H315 Causes skin irritation, H319 Causes serious eye irritation, H335 May cause respiratory irritation.

Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray,
P264 Wash skin thoroughly after handling,
P271 Use only outdoors or in a well-ventilated area,
P280 Wear protective gloves/eye protection/face protection,
P302 + P352 IF ON SKIN: Wash with plenty of soap and water,
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing,
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts, if present and easy to do. Continue rinsing,
P312 Call a POISON CENTER or doctor/physician if you feel unwell,
P321 Specific treatment (see supplemental first aid instructions on this label),
P332 + P313 If skin irritation occurs: Get medical advice/attention,
P337 + P313 IF eye irritation persists: Get medical advice/attention,
P362 Take off contaminated clothing and wash before reuse,
P403 + P233 Store in a well-ventilated place. Keep container tightly closed,
P405 Store locked up,
P501 Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS None

3. Composition

Mixture

Chemical Name	CAS Number	EC No	Weight %	Classification
REO Cerium oxide	1306-38-3	215-150-4	>40%	Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H315, H319, 335
Lanthanum oxide	1312-81-8	215-200-5	>40%	
Additive			<60%	

4. First Aid Measures

Eyes Flush eyes with plenty of water.
Skin Contact: In case of skin contact, wash thoroughly with soap and warm water.
Inhalation: If breathed in, move person to fresh air. If not breathing, give artificial respiration.
Ingestion: Rinse mouth with water. Never give anything by mouth to an unconscious person.
Notes to Physician: Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media: Product is not flammable. Use fire fighting measures that suit the surrounding fire.
Extinguishing media which must not be used for safety reasons: No information available
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: None in particular.
Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measure

Environmental Precautions: No special environmental precautions required.
Personal Precautions: Avoid dust formation. For personal protection see section 8.
Methods for cleaning up: Pick up and transfer to properly labeled containers for disposal.
Reference to other sections: For disposal see section 13.

7. Storage and Handling Procedures.

Handling: Provide appropriate exhaust ventilation at places where dust is formed. Keep container tightly sealed. Dry powders can build static electricity charges when subjected to the friction of conveying mixing or sliding. Provide adequate precautions such as electrical grounding or inert atmospheres when material is used in presence of flammable materials to prevent ignition.
Storage: Store in cool, dry place in tightly closed containers.

8. Exposure Controls and Personal Protection

Occupational Exposure Controls

Workplace control parameters: Contains no substances with occupational exposure control limits values.

Personal Protective Equipment

Respiratory Protection:	No special protective equipment required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH(US) or CEN (EU).
Eye Protection:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Skin Protection:	Impervious gloves. Such as nitrile rubber gloves
Hand Protection:	No special environmental precautions required.
Environmental Exposure:	

9. Physical and Chemical Properties.**General Information**

Physical State:	Powder	Appearance:	Pinkish
Odor :	Odorless		
Specific Gravity	6.8 @20° C	Flash Point	Not combustible.
pH	7.5-8.5	Water Solubility	Insoluble in water
Melting point	2500° C	Boiling Point/Range	No information available
Bulk density:	N.A.	Vapor Pressure	No Information available
Viscosity	No Information available	Vapor Density	No Information available
Evaporation Rate:	No Information available	VOC Content	No Information available
Flammability Limits in Air:	Product is not Flammable		

10. Stability and reactivity

Chemical Stability:	This material is stable under normal handling and storage conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid:	Dusting conditions. Avoid moisture.
Materials/Chemicals to be avoided:	Strong acids, Strong oxidizing agents, Carbon dioxide (CO2).
Hazardous decomposition products:	Other decomposition products - no data available. In the event of fire: see section 5.

11. Toxicological Information

Acute Eye Irritation	Powdery product. May cause slight irritation to the ocular mucous membranes due to the presence of foreign body.
Acute Skin Irritation	LD50 skin (Rat): >2000mg/kg
Acute Inhalation Toxicity	Dust (particles): LC50 inhalation (Rat)/4h: >5mg/l.
Acute Oral Toxicity	LD50 Oral (Rat): >2000mg/kg
Chronic Toxicity	This product does not contain any ingredient designated by the respective authorities like OSHA as probable or suspected human carcinogens.

Carcinogenicity:

IARC, ACGIH, NTP, OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed carcinogen.

12. Ecological Information**Chemical name:**

Cerium Oxide	Toxicity to fish	Semi-static test EC50 - Danio rerio (zebra fish) - > 200mg/l - 72 h
	Toxicity to daphnia and other aquatic invertebrates:	Immobilization EC50 - Daphnia magna (Water flea) - >1000mg/l - 48 h
Lanthanum Oxide	Toxicity to bacteria	EC50 - Sludge Treatment - > 1000 mg/l - 3 h
	Toxicity to daphnia and other aquatic invertebrates:	Immobilization EC50 - Daphnia magna (Water flea) - >100mg/l - 48 h

Persistence and degradability: Persistent.

Bioaccumulative potential : No data available

Mobility in soil: Practically insoluble product, readily forms deposits.

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects: No data available

13. Disposal considerations

Product:	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of as unused product.

14. Transportation information

DOT (US), ICAO/IATA, IMDG/IMO: Not dangerous goods

15. Regulatory Information.

Sara 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Sara 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold(DeMinimus) reporting levels established by SARA Title III, Section 313.

Sara 311/312 Hazard: No SARA Hazards

Chemical name	New Jersey	Massachusetts	Pennsylvania
Cerium oxide	1306.38-3	X	1306-38-3
Lanthanum oxide	1312-81-8	X	1306-38-3

California Proposition 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other information

NFPA	Health Hazards 0	Flammability 0	Reactivity Hazard 0
HMS	Health Hazards 1	Flammability 0	Chronic Health Hazard* Physical Hazard 0

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