



Safety Data Sheet

Product Name: Ceri-Tec Cerium Oxide Powder
MSDS Date: 02/03/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ceri-Tec Cerium Oxide Powder
Manufacturer: His Glassworks, Inc.
2000 Riverside Drive, Suite 19
Asheville, NC 28804
800-914-7463
Emergency Phone number: ChemTel, Inc.
Toll Free: 800-255-3924
International: +813-248-0585

2. HAZARDS IDENTIFICATION

Emergency Overview If caused to dust this material has inert or nuisance dust limits

Read Ingredients limit levels

Prolonged overexposure to dusts may cause lung damage

This product is under TCLP limits

Potential Health Effects

Eye Contact

Dust may irritate eyes. Contact with dust or slurry may be abrasive and irritating causing tearing and redness

Inhalation

Breathing dust may result in irritation of the nose and throat. If airborne concentrations exceed established exposure breath and bronchitis. Existing respirable limits, a suitable filter type respirator should be worn

Skin Contact

Not absorbed through skin. Contact with broken skin may be irritating and result in redness, burning or swelling. May absorb oils from the skin causing drying.

Ingestion

All accidental ingestion of dust or slurry may cause irritation of the digestive tract.

Chronic Effects / Carcinogenicity N/A

Teratology (birth defect) information N/A

Reproduction information N/A

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Component	CAS#	Concentration
Rare Earth Oxide		70-80%
Rare Earth Fluoride	68188-85-2	5-10%
Aluminum Silicate	1332-58-7	10-20%

4. FIRST AID MEASURES

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician.

His Glassworks, Inc. - Ceri-Tec Cerium Oxide SDS Sheets
Revision Date 02/03/2023

Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before reuse. Call a physician if irritation develops or persists.
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Call a physician, preferably an ophthalmologist.
Ingestion:	Obtain first aid or medical assistance if needed

5. FIRE-FIGHTING MEASURES

Flash Point:	N/A
Ignition temperature:	N/A
Lower explosion limit:	N/A
Upper explosion limit:	N/A
Suitable extinguishing media:	Non flammable
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Specific hazards during fire fighting:	Non flammable
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedure	Use dustless methods such as vacuum and place into closable container for disposal or flush with water. Do not dry sweep Flush spilled material into suitable areas or containers with water to avoid airborne particulates Keep upwind of generated dusts during cleanup Wear proper protective equipment
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7. HANDLING AND STORAGE

Handling

Handling: Wear personal protective equipment.

 Use only in well ventilated areas.

 Keep container tightly closed.

 Do not swallow.

 Avoid contact with skin, eyes and clothing.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Protective Measures: Ensure that eyewash stations and safety showers are close to the workstation location.

Engineering measures: Handle with adequate ventilation for nuisance dust;

 see OSHA 29CFR 1910.94 ventilation and CFR 1910-1000 (air contaminants) normal clean up procedures.

Eye protection: Do not wear contact lenses.

 Wear safety glasses with side shields.

Hand protection: Gloves recommended

Skin and body protection: Aprons recommended

Respiratory protection: In case of sufficient ventilation wear suitable respiratory equipment.

Hygiene measures: When using, do not eat or drink or smoke.

Hygiene measures: Wash hands before breaks and immediately after handling the product.

 Keep work clothes separate.

 Remove and wash contaminated clothing before re-use.

 Do not swallow.

 Avoid breathing dust

 Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	White powder
Color:	White powder
Odor:	Odorless
Molecular Weight:	NF
pH:	5.8-7.5
Melting point/range:	>2300°C
Boiling point/range:	NF
Vapor pressure:	NF
Relative vapor density:	NF
Specific Gravity	5.4
Water solubility:	Insoluble

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatibility	NF
Hazardous combustion	Hazardous decomposition with not occur
Hazardous Polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Eye	Contact with eyes will cause irritation
Skin	Not absorbed. Rare Earth powders may cause dryness of the skin

His Glassworks, Inc. - Ceri-Tec Cerium Oxide SDS Sheets
Revision Date 02/03/2023

Ingestion	Not known
Inhalation	In general, treat as a nuisance dust
Teratology	Not known
Sensitization	This material does not contain materials with are carcinogens. Material may irritate skin mostly through absorption of oils causing dry skin.

12. ECOLOGICAL INFORMATION

Not found

13. DISPOSAL CONSIDERATIONS

Observe all Federal, State and Local Environmental regulations.

14. TRANSPORT INFORMATION

DOT Classification:

Proper shipping name:	Ceri-Tec Cerium oxide
Technical shipping nam	Polishing compound
Hazard class	none

15. REGULATORY INFORMATION

OSHA Status	No specific hazards as stated in the Hazard Communication standard 29CFR 1910.1200
TSCA Status	Listed in TSCA

His Glassworks, Inc. - Ceri-Tec Cerium Oxide SDS Sheets
Revision Date 02/03/2023

California Prop 65

This material contains trace quantities of crystalline silica
(less than 0.1%)

16. OTHER INFORMATION

	HMIS III
Health:	1
Flammability	0
Reactivity:	0
Personal Protection	E