

MATERIAL DATA SAFETY SHEET
INLAND POLISHING COMPOUND

Chemical Name and Synonyms: Cerium Oxide Polishing Compound, Superox 100T
Part Number/Trade Name: 50037/Polishing Compound

SECTION I - GENERAL INFORMATION

Manufacturer's Name: Cercoa
Manufacturer's Street: P.O. Box 299
Manufacturer's City: Dresden
Manufacturer's State: New York
Manufacturer's Zip: 14441
Manufacturer's Emergency Phone: 1-216-641-5324 (Ferro 24 Hour Information Number)
Manufacturer's Phone: 1-315-531-8520

SECTION II - INGREDIENTS

Component	CAS Registry #	wt. %	Exposure Limits	
			ACHIH TLV	OSHA PEL
Rare Earth Oxide	68188-83-0	*	10 mg/m3 Total **	15 mg/m3
Rare Earth Fluoride	68188-85-2	*	-----	2.5 mg F /m3
Aluminum Silicate	1332-58-7	<15%	2 mg/m3 Resp	10 mg/m3 ***

* Combined Rare Earth Oxide/ Rare Earth Fluoride levels are greater than 85%
Respirable Levels = ** 3mg/m3 *** 5mg/m3

SECTION III - PHYSICAL DATA

Boiling Point (° F): N/A
Vapor Pressure (mm Hg.): N/A
Vapor Density (AIR=1): N/A
Specific Gravity (Water=1): 5.4
Percent Volatile by Volume (%): N/A
Evaporation Rate (Butyl Acetate=1): N/A
Solubility in Water: Insoluble
Appearance and Odor: Red brown, odorless
pH: 6.0-8.0

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Flammable Limits: N/A
Extinguishing Media: N/A

Special Fire Fighting Procedures: Use self contained breathing apparatus. NOISH approved to avoid dust or fumes generated during fire fighting efforts
Unusual Fire and Explosion Hazards: None

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: If caused to dust above the TLV PEL or TWA limits, personal protective equipment is required.

Effects of Overexposure: Prolonged overexposure to dusts may cause lung damage. This product is under TCLP limits.

This product contains very low level of naturally occurring radioactive material (NORM).

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, coughing, shortness of breath, and bronchitis. Existing respirable disorders may be aggravated by exposure.
- **SKIN CONTACT:** Not absorbed through skin. Dust may be abrasive and mildly irritating.
- **INGESTION:** All accidental ingestion of dust or slurry may cause irritation of the digestive tract.
- **CHRONIC EFFECTS / CARCINOGENICITY:** Prolonged inhalation/overexposure to dusts may cause irreversible lung damage.
- **TERATOLOGY (BIRTH DEFECT) INFORMATION:** N/A
- **CALIFORNIA PROPOSITION 65:** This product contains the following substances known to the State of California to cause cancer and/or reproductive harm: Radionuclides (cancer)

EMERGENCY FIRST AID PROCEDURES :

- **EYE CONTACT:** Wash with large amounts of water, obtain first aid or medical assistance if needed. Avoid rubbing, may cause to scratch eye. Seek medical attention
- **INHALATION:** Remove to fresh air; apply artificial respiration as needed, obtain first aid or medical assistance.
- **SKIN CONTACT:** Remove contaminated clothing and flush affected area with large amounts of water. Obtain first aid or medical assistance if needed.
- **INGESTION:** Obtain first aid or medical assistance if needed. Drink large amounts of water if patient is conscious.
- **NOTE TO PHYSICIAN:** Lanthanides because of their high density, can produce abnormalities on chest x-ray. Lanthanides generally are not felt to be fibrogenic and the lesions typically have little or no clinical significance. However, occasional cases of pneumoconiosis have been reported

SECTION VI - REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to avoid): Not Found (NF)

Hazardous Decomposition Products: Hazardous decomposition will not occur.

Hazardous Polymerization: Hazardous polymerization will not occur

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Use dustless methods such as a vacuum and place into closable container for disposal, or flush with water. Do not dry sweep. Flush spilled material into suitable retaining areas or containers with water to avoid airborne particulates. Keep upwind of generated dusts during clean up. Wear proper protective equipment.

Waste Disposal Method: Dispose in accordance with federal, state, and local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Engineering Controls: Handle with adequate local exhaust ventilation for nuisance dust; see OSHA 29 CFR 1910.94 ventilation and CFR 1910.1000 (air contaminants). A source of clean water should be available to flush skin.

Respiratory Protection (Specify Type): If airborne concentrations exceed established limits, a NIOSH approved respirator should be worn. In order to limit exposure to NORM, production workers should wear appropriate NIOSH approved dust respirator when conditions are dusty, such as during clean up and equipment malfunction.

Skin Protection: Gloves recommended.

Eye Protection: Protection recommended.

SECTION IX - SPECIAL PRECAUTIONS

Precautions for Handling and Storing: Keep containers closed. Avoid eye and prolonged skin contact.

Other Precautions: None

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