

	<h2 style="margin: 0;">Material Safety Data Sheet</h2>
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SECTION 1: PRODUCT NAME AND COMPANY INFORMATION

Product Name: SUPER CE-RITE POLISHING COMPOUND 415	
Product Number: 8033900	
Issue Date: May 25, 2011	Supersedes Date: February 17, 2009
Manufactured By:	Distributed By:
Ferro Corporation	Coburn Technologies
Electronic Material System	55 Gerber Road
1789 Transelco Drive	South Windsor, CT 06074
Penn Yan, NY 14441	
Telephone: (860) 871-8082	
24-Hour Emergency Contact Number (North America): 800-255-3924	
24-Hour Emergency Contact Number (International): 813-248-0585	

SECTION 2: Hazards Identification

Emergency Overview

Caution

Product dust may be irritating to eyes, skin and respiratory system. Avoid dust formation.

	NFPA 704
Colour: Reddish brown	Health: 1
Physical state: Powder	Fire: 0
Odour: Odorless	Instability: 1

Potential Health Effects

Principle routes of exposure: Inhalation. Ingestion.

Eye contact: May cause irritation.

Skin contact: Prolonged skin contact may cause skin irritation and/or dermatitis.

Inhalation: Dust irritating to respiratory tract.

Ingestion: May irritate digestive tract.

Chronic toxicity: Repeated or prolonged exposure to the substance can produce lung damage.

SECTION 3: Composition / Information on Ingredients

Components	CAS Number	Weight %
Rare Earth Oxide		60-70%
Rare Earth Fluoride		30-40%

Rare Earth Oxide is a mixture of Cerium Oxide (1306-38-3), Lanthanum Oxide (1312-81-8), Praseodymium Oxide (12037-29-5), and Neodymium Oxide (1313-97-9) . Rare Earth Fluoride is a mixture of Cerium Fluoride (7758-88-5) and Lanthanum Fluoride (13709-38-1). This material contains very low levels of Naturally Occurring Radioactive Material (NORM).

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SECTION 4: First Aid Measures

Eye contact: Rinse immediately with plenty of water, also under the eyelids. Get medical attention if irritation develops.

Skin contact: Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.

Ingestion: Drink plenty of water. Do not induce vomiting without medical advice. Consult a physician

Notes to physician: Treat symptomatically. 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 5: Fire Fighting Measures

Flash point (°C): Non combustible

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazardous decomposition products: None reasonably foreseeable.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

Unusual hazards: None known.

SECTION 6: Accidental Release Measures

Personal precautions: Avoid dust formation. Evacuate area of all unnecessary personnel. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Clean up promptly by scoop or vacuum. Wear personal protective equipment. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid contact with skin, eyes and clothing. Wash hands thoroughly before eating, drinking or smoking.

Storage: Keep container tightly closed in a dry and well-ventilated place.

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SECTION 8: Exposure Controls / Personal Protection

Exposure limits

Components	OSHA	ACGIH
Rare Earth Oxide	15 mg/m ³ Total; 5 mg/m ³ Respirable	10 mg/m ³ Total; 3 mg/m ³ Respirable
Rare Earth Fluoride	2.5 mg/m ³ as F	2.5 mg/m ³ as F

Engineering measures: Provide appropriate exhaust ventilation at machinery and at places where dust or fumes can be generated.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Lightweight protective clothing.

Hand protection: Impervious gloves.

Respiratory protection: Use NIOSH approved respirator when ventilation is inadequate. Wear NIOSH approved respirator to limit exposure to NORM.

Hygiene measures: Wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with skin, eyes and clothing.

SECTION 9: Physical and Chemical Properties

Colour: Reddish brown

Odour: Odorless

Boiling point/range (°C): No data available

Melting point/range (°C): > 2300

Vapor pressure (mmHg): No data available

Water solubility (mg/l): Insoluble

Physical state: Powder

Molecular weight: No data available

pH: No data available

Specific gravity (Water = 1): 5.400

Evaporation Rate (Water = 1) No data available

VOC content (%) 0

SECTION 10: Stability and Reactivity

Stability: Stable at normal conditions.

Polymerization: Will not occur.

Hazardous decomposition products: None under normal use.

Materials to avoid: Strong acids.

Conditions to avoid: None known.

SECTION 11: Toxicological Information

Acute toxicity: No data is available on the product itself

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Carcinogenic effects: Not listed by IARC, NTP or OSHA as a carcinogen.

Rare Earth Oxide

NIOSH - LD50s and LC50s: > 5 g/kg Oral LD50 Rat

SECTION 12: Ecological Information

Aquatic toxicity: Not determined

Persistence and degradability: Not determined

SECTION 13: Disposal Considerations

Waste from residues / unused products: Waste must be disposed of in accordance with federal, state and local environmental control regulations. Where possible recycling is preferred to disposal or incineration. This product contains Naturally Occurring Radioactive Materials (NORM). Consult and comply with current regulations.

SECTION 14: Transport Information

DOT (U.S.)

Proper shipping name: Not regulated.

TDG (Canada)

Proper shipping name: Not regulated.

SECTION 15: Regulatory Information

U.S. Regulations:

Not subject to the provisions of SARA 313 Title III

Not subject to TSCA 12(b) Export Notification

State Regulations

This product or its ingredients have been evaluated for New Jersey, Pennsylvania, and California Prop 65 supplier notification requirements. Substances that are subject to notification requirements, if any, are listed below.

Components State Regulations -

NJ; PA; CA Prop65

Rare Earth Oxide

Radionuclides (Cal Prop 65)

Rare Earth Fluoride

Radionuclides (Cal Prop 65)

Canadian WHMIS

WHMIS hazard class: Non-controlled

Canadian Ingredient Disclosure List (IDL):

Components WHMIS

Fluoride compound

Ingredient Disclosure:

1%

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International Inventories

TSCA 8(b): Listed or exempt.

Canadian DSL: Listed or exempt.

EC-No. Listed or exempt.

Phillipines (PICCS): Listed.

Japan (ENCS): Listed or exempt.

Korea (KECL): Listed.

China (IECS): Listed.

Australia (AICS): Listed.

SECTION 16: Other Information

For Industrial Use Only

HMIS

Health: *1

Fire: 0

Physical hazard: 0

PPE: X

Prepared by: Ferro Technical Center

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.