

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Code

4250

Product Name

Rare Earth Oxide

Manufacturer's Name

Transelco Division of Ferro Corporation

Address (Number, Street, City, State, and ZIP Code)

1789 Transelco Drive

Penn Yan, New York 14527

Emergency Telephone Number

(216) 641-5324 Ferro 24 Hour Information Number

Telephone Number For Information

(315) 536-3357

Date Prepared

November 1, 1998

Signature of Preparer (optional)

Peter Van Derlyke

Section 2. Composition / Information on Ingredients

Component	CAS Registry #	wt. %	ACGIH TLV	Exposure Limits	
				OSHA PEL	
Rare Earth Oxide	68188-83-0	20-75%	10 mg/m3 Total*	15 mg/m3 Total**	
Kaolin	1332-58-7	<50%	10 mg/m3 Total*	15 mg/m3 Total**	
* 3mg/m3 Respirable ** 5mg/m3					

Section 3. Hazards Identification

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EMERGENCY OVERVIEW

If caused to dust, this material has inert or nuisance dust limits. Read above ingredient limit levels.

Prolonged overexposure to dusts may cause lung damage. This product is under TCLP limits.

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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 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, swelling and skin damage.

INGESTION :

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

CHRONIC EFFECTS / CARCINOGENICITY:

NA

TERATOLOGY (BIRTH DEFECT) INFORMATION :

NA

REPRODUCTION INFORMATION :

NA

Handle with adequate ventilation for nuisance dust; see OSHA 29 CFR 1910.94 ventilation and CFR 1910.1000 (air normal clean-up procedures.

A source of clean water should be available to flush eyes/skin.

RESPIRATORY PROTECTION :

Wear approved dust respirators/masks. See OSHA 29 CFR 1910-134, Subpt. Z.

SKIN PROTECTION :

Gloves recommended.

EYE PROTECTION :

Protection recommended.

EXPOSURE GUIDELINE (S) :

Section 9. Physical and chemical Properties

APPEARANCE :	tan color	MOLECULAR WEIGHT :	NA	SPECIFIC GRAVITY :	4.0-6.0
BOILING POINT :	NF	ODOR :	Odorless	VAPOR DENSITY :	NF
EVAPORATION RATE :	NF	pH :	5.0 - 8.0	VAPOR PRESSURE :	NF
FREEZING POINT :	NF	PHYSICAL STATE :	powder	VISCOSITY :	NA
MELTING POINT :	NF	SOLUBILITY IN WATER :	Insoluble	% VOLATILE :	NF

Section 10. Stability and Reactivity

CHEMICAL STABILITY :

Stable

INCOMPATIBILITY :

NF

HAZARDOUS DECOMPOSITION PRODUCTS :

Hazardous decomposition will not occur.

HAZARDOUS POLYMERIZATION :

Hazardous polymerization will not occur.

Section 11. Toxicological Information

EYE :

NA

SKIN :

NA

INGESTION :

NA

INHALATION :

NA

SUBCHRONIC :

NA

CHRONIC / CARCINOGENICITY :

NA

TERATOLOGY :

NA

REPRODUCTION :

NA

MUTAGENICITY :

NA

SENSITIZATION :

Material may irritate skin.

Section 12. Ecological Information

ECOTOXICOLOGICAL INFORMATION :

NA

DISTRIBUTION :

NA

CHEMICAL FATE INFORMATION :

NA

Section 13. Disposal Considerations

Dispose in accordance with federal, state, and local regulations.

Section 14. Transport Information (Not meant to be all inclusive)

D.O.T. SHIPPING NAME :

TECHNICAL SHIPPING NAME : Polishing Compound

D.O.T. HAZARD CLASS : NA

U.N. / N.A. NUMBER : NA

PRODUCT RQ (LBS) :

D.O.T. LABEL : NA

D.O.T. PLACARD : NA

FREIGHT CLASS BULK :

FREIGHT CLASS PACKAGE :

PRODUCT LABEL : HMIS: *1,0,0,X *=Chronic Health Hazard- Kaolin

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA STATUS :

No specific health hazard under OSHA Hazard Communication 29CFR 1910.1200 .

TSCA STATUS : Listed in TSCA

CERCLA REPORTABLE No

SARA TITLE III:

SECTION 302 EXTREMELY No

SECTION 311/312 Listed- Kaolin

SECTION 313 TOXIC No - This product contains the following chemicals subject to annual release reporting req.'s:

RCRA STATUS : No

CALIFORNIA PROPOSITION 65 :

Not listed as a Carcinogen under State of California.

Section 16. Other Information

MSDS STATUS:

NA = Not applicable NF = Not found

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