

<b>1318253</b>		<b>416 SUPER CE-RITE® 20 KG PAIL</b>	
Product specification	<b>RS_FP_600785</b>	Revision Date	<b>08/31/2016</b>
Version	<b>1.4</b>	Print Date	07/12/2019
Material number	<b>1318253</b>	Page	Page 1 of 8

## SECTION 1. IDENTIFICATION

Product name : **1318253**  
416 SUPER CE-RITE® 20 KG PAIL

Material number : **1318253**

### Manufacturer or supplier's details

Company name of supplier : Ferro Corporation  
Address : 6060 Parkland Blvd. Suite 250  
Mayfield Heights OH 44124-4185  
Telephone : (216) 875-5600

### Emergency telephone number

In-Country Number : (800)424-9300  
CHEMTREC Global Number : +(1)-703-527-3887(Call Collect)

### Recommended use of the chemical and restrictions on use

Recommended use : Industrial use  
Restrictions on use : Reserved for industrial and professional use.

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Not a hazardous substance or mixture.

### GHS Label element

Not a hazardous substance or mixture.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture  
Chemical nature : 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).

### Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Rare Earth Fluoride	68188-85-2	>= 30 - < 50

## SECTION 4. FIRST AID MEASURES

General advice : Consult a physician.  
If inhaled : Remove to fresh air.  
If unconscious place in recovery position and seek medical advice.  
Never give anything by mouth to an unconscious person.

1318253		416 SUPER CE-RITE® 20 KG PAIL	
Product specification	RS_FP_600785	Revision Date	08/31/2016
Version	1.4	Print Date	07/12/2019
Material number	1318253	Page	Page 2 of 8

In case of skin contact	: Wash off immediately with soap and plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
In case of eye contact	: Rinse immediately with plenty of water and seek medical advice.
If swallowed	: Do NOT induce vomiting. Rinse immediately with plenty of water and seek medical advice.
Most important symptoms and effects, both acute and delayed	: None known.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific hazards during firefighting	: Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray.
Hazardous combustion products	: No hazardous combustion products are known
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. No conditions to be specially mentioned.
Environmental precautions	: No special environmental precautions required.
Methods and materials for containment and cleaning up	: Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

## SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
Conditions for safe storage	: Keep in a dry, cool and well-ventilated place.
Materials to avoid	: No special restrictions on storage with other products. No materials to be especially mentioned.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

**1318253****416 SUPER CE-RITE® 20 KG PAIL**

Product specification

**RS\_FP\_600785**

Revision Date

**08/31/2016**

Version

**1.4**

Print Date

07/12/2019

Material number

**1318253**

Page

Page 3 of 8

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Rare Earth Fluoride	68188-85-2	TWA	2.5 mg/m <sup>3</sup> (Fluorine)	OSHA Z-1
		TWA	2.5 mg/m <sup>3</sup> (Fluorine)	ACGIH
		TWA	2.5 mg/m <sup>3</sup> (Fluorine)	OSHA P0

**Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Rare Earth Fluoride	68188-85-2	Fluoride (Fluorine)	Urine	Prior to shift (16 hours after exposure ceases)	2 mg/l	ACGIH BEI
		Fluoride (Fluorine)	Urine	End of shift (As soon as possible after exposure ceases)	3 mg/l	ACGIH BEI

**Engineering measures** : Apply technical measures to comply with the occupational exposure limits.  
Provide adequate ventilation.

**Personal protective equipment**

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection  
Material : Protective gloves

Eye protection : Safety glasses  
Ensure that eyewash stations and safety showers are close to the workstation location.

Protective measures : Wear suitable protective equipment.  
When using do not eat, drink or smoke.

Hygiene measures : Wash hands before breaks and immediately after handling the product.  
Remove contaminated clothing and protective equipment before entering eating areas.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : granular  
 Colour : coloured  
 Odour : characteristic  
 Odour Threshold : No data available

# SAFETY DATA SHEET

**1318253**

**416 SUPER CE-RITE® 20 KG PAIL**

Product specification

**RS\_FP\_600785**

Revision Date

**08/31/2016**

Version

**1.4**

Print Date

07/12/2019

Material number

**1318253**

Page

Page 4 of 8

Melting point/range : > 2,300 °C

Boiling point/boiling range : No data available

Flash point : Not applicable

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : 5.4

Density : not determined

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : not determined

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : not determined

Decomposition temperature : No data available

Viscosity

Viscosity, kinematic : No data available

Oxidizing properties : No data available

Refractive index : Not applicable

Volatile organic compounds (VOC) content : Not applicable

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

## SECTION 10. STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : No data available

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : Incompatible materials

Incompatible materials : Incompatible with oxidizing agents.

Incompatible with strong acids and bases.

Hazardous decomposition products : No decomposition if stored and applied as directed.

<b>1318253</b>		<b>416 SUPER CE-RITE® 20 KG PAIL</b>	
Product specification	<b>RS_FP_600785</b>	Revision Date	<b>08/31/2016</b>
Version	<b>1.4</b>	Print Date	<b>07/12/2019</b>
Material number	<b>1318253</b>	Page	<b>Page 5 of 8</b>

---

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

inhalation (dust/mist/fume)

Skin

Eye contact

### Acute toxicity

Not classified based on available information.

### Skin corrosion/irritation

Not classified based on available information.

### Serious eye damage/eye irritation

Not classified based on available information.

### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

#### IARC

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

#### OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

Not classified based on available information.

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Ecotoxicology Assessment

# SAFETY DATA SHEET



1318253		416 SUPER CE-RITE® 20 KG PAIL	
Product specification	RS_FP_600785	Revision Date	08/31/2016
Version	1.4	Print Date	07/12/2019
Material number	1318253	Page	Page 6 of 8

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602 Class I  
Substances  
Remarks: This product neither contains, nor was  
manufactured with a Class I or Class II ODS as defined by the  
U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +  
B).

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility.

## SECTION 14. TRANSPORT INFORMATION

### International Regulation

#### UNRTDG

Not regulated as a dangerous good

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

#### 49 CFR

Not regulated as a dangerous good

## SECTION 15. REGULATORY INFORMATION

TSCA list : TSCA 5a - Not relevant

1318253		416 SUPER CE-RITE® 20 KG PAIL	
Product specification	RS_FP_600785	Revision Date	08/31/2016
Version	1.4	Print Date	07/12/2019
Material number	1318253	Page	Page 7 of 8

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : No SARA Hazards

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

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

#### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

#### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

This product contains components that are reportable under the regulation.

#### New Jersey Right To Know

This product contains components that are reportable under the regulation.

#### California Prop 65

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

#### The components of this product are reported in the following inventories:

EINECS : On the inventory, or in compliance with the inventory

CH INV : On the inventory, or in compliance with the inventory

1318253		416 SUPER CE-RITE® 20 KG PAIL	
Product specification	RS_FP_600785	Revision Date	08/31/2016
Version	1.4	Print Date	07/12/2019
Material number	1318253	Page	Page 8 of 8

TSCA	: On TSCA Inventory
DSL	: This product contains one or several components listed in the Canadian NDSL.
AICS	: Not in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

#### Inventories

AICS (Australia), DSL (Canada), IECSC (China), EINECS (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA), CH INV (Switzerland)

#### SECTION 16. OTHER INFORMATION

Revision Date : 08/31/2016

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN