



CAPITAL REFRACTORIES

SAFETY DATA SHEET

according to Federal Register

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Coral CAP

Revision 2

Revision date 2015-04-07

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Coral CAP
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC7] Base metals and alloys; [PROC23] Open processing and transfer operations with minerals/metals at elevated temperature; [ERC1] Manufacture of substances;
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1.3. Details of the supplier of the safety data sheet

Company	Capital Refractories Inc.
Address	1548 Mims Avenue SW Birmingham AL 35211 U.S.A.
Web	www.capital-refractories.com
Telephone	205 443 7963
Fax	205 929 0966
Email	info@capital-refractories.com
Email address of the competent person	stephen.lee@capital-refractories.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards	No Significant Hazard
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2.2. Label elements

Risk phrases	No Significant Hazard
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Aluminium Oxide		1344-28-1	215-691-6		50 - 100%		
Magnesium Oxide		1309-48-4	215-171-9		10 - 20%		
Proprietary phosphate binder					1 - 10%		
diboron trioxide	005-008-00-8	1303-86-2	215-125-8		1 - 10%	Repr. Cat. 2; R60-61	

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3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Aluminium Oxide		1344-28-1	215-691-6		50 - 100%		
Magnesium Oxide		1309-48-4	215-171-9		10 - 20%		
diboron trioxide	005-008-00-8	1303-86-2	215-125-8		1 - 10%	Repr. 1B: H360FD;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

	If you feel unwell, seek medical advice (show the label where possible).
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	None Flammable, packaging materials only subject to fire, use general purpose extinguisher.
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5.3. Advice for firefighters

	non applicable.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area.
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6.2. Environmental precautions

	No environmental requirements.
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6.3. Methods and material for containment and cleaning up

	Avoid raising dust.
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6.4. Reference to other sections

	None.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid formation of dust.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area.
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7.3. Specific end use(s)

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7.3. Specific end use(s)

Manufacture of basic metals, including alloys.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limit Values

Aluminium Oxide	ACGIH TLV TWA: 10 mg/m ³ (E) Notations: A4 OSHA PEL 8hr TWA mg m3: -	ACGIH TLV STEL: - OSHA PEL 8hr TWA ppm: - Skin Designation: -
diboron trioxide	ACGIH TLV TWA: 10 mg/m ³ Notations: - OSHA PEL 8hr TWA mg m3: 15	ACGIH TLV STEL: - OSHA PEL 8hr TWA ppm: - Skin Designation: -
Magnesium Oxide	ACGIH TLV TWA: 10 mg/m ³ (I) Notations: A4 OSHA PEL 8hr TWA mg m3: 15	ACGIH TLV STEL: - OSHA PEL 8hr TWA ppm: - Skin Designation: -

8.2. Exposure controls

Appropriate engineering controls	Ensure adequate ventilation of the working area.
Eye / face protection	safety glasses with side-shields.
Skin protection - Hand protection	Rubber gloves.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
8.2.3. Environmental exposure controls	No data available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Granules.
Color	Off white
Odor	Odorless
Relative density	2700 - 2900
pH	No data available
Melting point	No data available
Freezing Point	Not applicable.
Boiling point	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability limits	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Fat Solubility	Not applicable.
Partition coefficient	Not applicable.
Autoignition temperature	Not applicable.
Viscosity	Not applicable.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Odour threshold	Not applicable.
Solubility	Not applicable.

9.2. Other information

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9.2. Other information

Conductivity	Not applicable.
Surface tension	Not applicable.
Gas group	Not applicable.
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

	Not applicable.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	None.
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10.4. Conditions to avoid

	Not relevant.
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10.5. Incompatible materials

	Hydrogen fluoride.
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10.6. Hazardous decomposition products

	None.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

	no known effect.
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11.1.4. Toxicological information

	No data available
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
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12.3. Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	Coral CAP Not applicable.	Aluminium Oxide No data available
	Magnesium Oxide No data available	

12.4. Mobility in soil

	considered immobile.
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12.5. Results of PBT and vPvB assessment

	Caution - substance not yet fully tested.
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12.6. Other adverse effects

	no known effect.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Contact a licensed waste disposal company.
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SECTION 14: Transport information**14.1. UN number**

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information**15.2. Chemical safety assessment**

None.

SECTION 16: Other information**Other information****Revision**

This document differs from the previous version in the following areas: . 1 - Product Use. . 9 - 9.1. Information on basic physical and chemical properties (Boiling point). . 9 - 9.1. Information on basic physical and chemical properties (Flash point). . 9 - 9.1. Information on basic physical and chemical properties (Flammability limits). . 9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature). . 9 - 9.1. Information on basic physical and chemical properties (Explosive properties). . 9 - 9.1. Information on basic physical and chemical properties (Oxidising properties). . 9 - 9.1. Information on basic physical and chemical properties (Vapor pressure). . 9 - 9.1. Information on basic physical and chemical properties (Relative density). . 9 - 9.1. Information on basic physical and chemical properties (Viscosity). . 9 - 9.1. Information on basic physical and chemical properties (Vapor density). . 9 - 9.1. Information on basic physical and chemical properties (Evaporation rate). . 9 - 9.1. Information on basic physical and chemical properties (Freezing Point). . 9 - 9.1. Information on basic physical and chemical properties (Fat Solubility). . 9 - 9.1. Information on basic physical and chemical properties (Solubility). . 9 - 9.1. Information on basic physical and chemical properties (Odour threshold). . 9 - 9.2. Other information (Conductivity). . 9 - 9.2. Other information (Partition coefficient). . 9 - 9.2. Other information (Gas group). . 9 - 9.2. Other information (Surface tension). . 9 - 9.2. Other information (Benzene Content). . 9 - 9.2. Other information (Product Subcategory). . 9 - 9.2. Other information (Lead content). . 16 - Maximum content of VOC. .

Text of risk phrases in Section 3

R60 - May impair fertility.
R61 - May cause harm to the unborn child.

Text of Hazard Statements in Section 3

Repr. 1B: H360FD - May damage fertility. May damage the unborn child.