



CAPITAL REFRACTORIES

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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**P 452 Y**

Revision 5

Revision date 2015-06-18

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name	P 452 Y
Product name	P 452 Y.

**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 Limited
Address	Station Road Clowne Derbyshire S43 4AB United Kingdom
Web	www.capital-refractories.com
Telephone	+44 (0)1246 811163
Fax	+44 (0)1246 819573
Email	info@capital-refractories.com

**1.4. Emergency telephone number**

Emergency telephone number	+44 (0)1246 811163
Company	Mike Lamkin 08:30 - 17:00

**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.
Magnesium Oxide		1309-48-4	215-171-9		50 - 100%		
Chromium (III) oxide		1308-38-9	215-160-9		20 - 50%		

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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.
Magnesium Oxide		1309-48-4	215-171-9		50 - 100%		
Chromium (III) oxide		1308-38-9	215-160-9		20 - 50%		

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

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

## 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

	packaging materials only subject to fire, use general purpose extinguisher.
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## 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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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

	Do not allow product to enter drains. Prevent further spillage if safe.
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## 6.3. Methods and material for containment and cleaning up

	Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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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.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Avoid contact with: Water.
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## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

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## 8.1.1. Exposure Limit Values

Chromium (III) oxide	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 0.5 WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Magnesium Oxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total 10 inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear suitable protective equipment.
Eye / face protection	Safety glasses.
Skin protection - Handprotection	Rubber gloves.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Solid
Colour	Brown
Odour	Odourless
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Odour threshold	No data available
pH	No data available
Melting point	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	3.0
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

## Water solubility

Slightly soluble in water.

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**SECTION 10: Stability and reactivity****10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Water.

**SECTION 11: Toxicological information****11.1.4. Toxicological Information**

Chromium (III) oxide

Oral Rat LD50: &gt;5000 mg/kg

none known.

**SECTION 12: Ecological information****12.1. Toxicity**

No data is available on this product.

**12.3. Bioaccumulative potential****Partition coefficient**

P 452 Y No data available

Magnesium Oxide No data available

**SECTION 13: Disposal considerations****General information**

Dispose of in compliance with all local and national regulations.

**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.

**Further information**

The product is not classified as dangerous for carriage.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Regulations**

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

**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 (Relative density).

9 - 9.1. Information on basic physical and chemical properties (Odour threshold).

**Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.