



# MATERIAL SAFETY DATA SHEET

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## COMPANY DETAILS

Name: **StonCor Africa (Pty) Ltd.**  
 Address: **8 Cresset Road  
 Midrand Industrial Park, Chloorkop**  
 Tel: **011 254 5500**  
 Fax: **011 310 2872**

## EMERGENCY NO'S:

**SOUTH AFRICA:** **082 651 5266**  
**+27 11 254 5500**

**INTERNATIONAL:**  
**CHEMTREC +1 703 527 3887**

**NOTE:** The Chemtrec Transportation Emergency Phone is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

## 1. PRODUCT AND COMPANY IDENTIFICATION:

**Trade Name:** **Pyrocrete 241**  
 Chemical family: **Cement-based Plaster**  
 Chemical name:  
 Synonyms: **Cementitious fireproofing material**

Chemical Abstract No: **65997-15-1**  
 NIOSH No:  
 Hazchem Code  
 UN No: **Not Regulated**

## 2. COMPOSITION:

Hazardous components: **Hydraulic Cement**  
 EEC Classification:  
 R Phrases:

## 3. HAZARDOUS IDENTIFICATION:

Main hazard: **Dust Respirable TLV = 5 mg / m<sup>3</sup>**  
 Flammability: **Not Flammable**  
 Chemical hazard: **Stable**  
 Reproductive hazard: **None Known**  
 Eye effect – eyes: **Primary Irritation**  
 Health effects – skin: **Irritation - Prolonged exposure may cause dermatitis**  
 Health effects – ingestion: **Irritant**  
 Health effects – inhalation: **High concentrations may cause cough with phlegm**

## 4. FIRST AID MEASURES:

Product in eye: **Flush with large amounts of water. Consult a physician.**  
 Product on skin: **Wash affected area with soap and water. Consult a physician if irritation persists.**  
 Product ingested: **Do not induce vomiting. Get medical attention.**  
 Product inhaled: **Remove to fresh air. Restore breathing. Get medical attention.**

## 5. FIRE FIGHTING MEASURES:

Extinguishing media: **Not Applicable**  
 Special hazards: **Not Applicable**  
 Protective clothing: **Not Applicable**

## 6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: **Appropriate PPE and equipment.**  
 Environmental precautions: **Contain all spills.**  
 Small spills: **Do not disperse dust into air - dispose of in accordance with local regulations.**  
 Large spills: **Special handling required - dispose of in accordance with local regulations.**

## 7. HANDLING AND STORAGE:

Suitable material: **Stable under normal conditions.**  
 Handling / Storage precautions: **Away from heat and moisture**

<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION:</b>	
Occupational exposure limits:	<b>5 mg / m<sup>3</sup></b>
Engineering control measures:	
Personal protection – respiratory:	<b>Approved respirator in accordance with SABS 1466</b>
Personal protection – hands:	<b>Impervious gloves</b>
Personal protection – eyes:	<b>Chemical goggles</b>
Personal protection – skin:	<b>Protective clothing</b>
Other protection:	<b>Protective creams for skin</b>
<b>9. PHYSICAL AND CHEMICAL PROPERTIES:</b>	
Appearance:	<b>Greyish Powder</b>
Odour:	<b>Cementitious</b>
pH:	<b>10 - 12</b>
Boiling point:	<b>Not Applicable</b>
Melting point:	<b>Not Applicable</b>
Flash point:	<b>None</b>
Flammability:	<b>Not Flammable</b>
Auto-flammability:	<b>Not Applicable</b>
Explosive properties:	<b>Not Applicable</b>
Oxidising properties:	<b>Not Applicable</b>
Vapour pressure:	<b>Not Applicable</b>
Density:	<b>0.8 Dry</b>
Solubility – water:	<b>Miscible</b>
Solubility – solvent:	<b>Not Applicable</b>
<b>10. STABILITY AND REACTIVITY:</b>	
Conditions to avoid:	<b>Hardens when wet</b>
Incompatible materials:	<b>Acids</b>
Hazardous decomposition products:	<b>None</b>
<b>11. TOXICOLOGICAL INFORMATION:</b>	
Acute toxicity:	<b>Dust causes scarring of lungs with cough and shortness of breath.</b>
Skin and eye contact:	<b>Can cause alkali burns.</b>
<b>12. ECOLOGICAL INFORMATION:</b>	
Aquatic toxicity – fish:	<b>Toxic in large quantities – in static water pH will increase to 12</b>
Aquatic toxicity – daphnia:	<b>Toxic in large quantities – in static water pH will increase to 12</b>
Aquatic toxicity – algae:	<b>Toxic in large quantities – in static water pH will increase to 12</b>
Biodegradability:	<b>Hardens when wet – will dissolve slowly in acidic conditions</b>
Bio-accumulation:	
Mobility:	
<b>13. DISPOSAL CONSIDERATIONS:</b>	
Disposal methods:	<b>In accordance with local regulations.</b>
Disposal of packaging:	
<b>14. TRANSPORT INFORMATION:</b>	
UN No:	<b>Not Regulated</b>
Substance identity no:	
IMDG – Packaging group:	
Tremcard no:	
<b>15. REGULATORY INFORMATION:</b>	
EEC hazard classification:	
Safety phrases:	
<b>16. OTHER INFORMATION:</b>	

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