



# MATERIAL SAFETY DATA SHEET

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## COMPANY DETAILS

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## EMERGENCY NO'S:

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## 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:** Pro-Struct 532 Five Star Fluid Grout 100

Chemical family: Cement  
Chemical name: Tetra Calcium Alumino Ferrate  
Synonyms:

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:	5 mg / m <sup>3</sup>
Engineering control measures:	
Personal protection – respiratory:	Approved respirator in accordance with SABS 1466
Personal protection – hands:	Impervious gloves
Personal protection – eyes:	Chemical goggles
Personal protection – skin:	Protective clothing
Other protection:	Protective creams for skin
<b>9. PHYSICAL AND CHEMICAL PROPERTIES:</b>	
Appearance:	Greyish Powder
Odour:	Alkaline
pH:	10 - 12
Boiling point:	Not Applicable
Melting point:	Not Applicable
Flash point:	Not Applicable
Flammability:	Not Flammable
Auto-flammability:	Not Applicable
Explosive properties:	Not Applicable
Oxidising properties:	Not Applicable
Vapour pressure:	Not Applicable
Density:	2.3 - 3.8
Solubility – water:	Soluble
Solubility – solvent:	Not Applicable
<b>10. STABILITY AND REACTIVITY:</b>	
Conditions to avoid:	Hardens when wet
Incompatible materials:	Acids
Hazardous decomposition products:	None
<b>11. TOXICOLOGICAL INFORMATION:</b>	
Acute toxicity:	Dust causes scarring of lungs with cough and shortness of breath.
Skin and eye contact:	Can cause alkali burns.
<b>12. ECOLOGICAL INFORMATION:</b>	
Aquatic toxicity – fish:	Toxic in large quantities – in static water pH will increase to 12
Aquatic toxicity – daphnia:	Toxic in large quantities – in static water pH will increase to 12
Aquatic toxicity – algae:	Toxic in large quantities – in static water pH will increase to 12
Biodegradability:	Hardens when wet – will dissolve slowly in acidic conditions
Bio-accumulation:	
Mobility:	
<b>13. DISPOSAL CONSIDERATIONS:</b>	
Disposal methods:	In accordance with local regulations.
Disposal of packaging:	
<b>14. TRANSPORT INFORMATION:</b>	
UN No:	Not Regulated
Substance identity no:	
IMDG – Packaging group:	
Tremcard no:	
<b>15. REGULATORY INFORMATION:</b>	
EEC hazard classification:	
Safety phrases:	
<b>16. OTHER INFORMATION:</b>	

The information contained herein relates only to the specific material identified. Stoncor Africa (Pty) Ltd believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information.