



# MATERIAL SAFETY DATA SHEET

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## COMPANY DETAILS

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## 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:** Pro-Struct 522 Five Star Highway Patch

Chemical family: Cement

Chemical name:

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

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<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>	

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