

MATERIAL SAFETY DATA SHEET

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MATERIAL SAFETY DATA

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 NAME OF SUBSTANCE/PREPARATION

Commercial product name : iTe CEMENT 32.5N

1.2 DESCRIPTION AND USE OF SUBSTANCE

Composite Cement is a light grey powder that is used as a construction material in concrete, mortar and plaster. It is sold in paper and polypropylene bags of 50Kg.

1.3 COMPANY NAME

Manufacturer/distributor:	Pharaoh Cement (Pty) Ltd
Street:	7 Clarke Street South
State/postal code/city:	Alrode, 1451
Telephone:	+27 11 864 4918
Telefax:	+27 11 864 2123
Information about the Safety Data Sheet:	+27 11 864 4918
eMail	info@iteproducts.co.za

2. HAZARDS IDENTIFICATION

3. CLASSIFICATION

In terms of SA's OHSA, 1993 (Act No. 85 of 1993) Regulation 1179 dated 25 August 1995, Portland Cement is considered a "hazardous chemical".

Chemical Family: Calcium Salts. Comprises predominantly calcium silicate salts, with salts containing iron and aluminium.

Classification (67/548/EEC, 1999/45/EC):

R-Phrase Description – irritant to eyes

This product is not a dangerous preparation within the meaning of Directive 1999/45/EC.

UN No.: No UN no.

Hazchem Code: Awaited

NIOSH NO.: W8770000(RTCS)

3.1 LABELLING

Labelling (67/548/EEC, 1999/45/EC):

R-Phrase Description – 36/38 Irritant to eyes

S-Phrase Description

3.2 FURTHER HAZARDS TO HUMAN AND ENVIRONMENT:

Avoid Skin irritation by wearing gloves with sleeves, and overalls to limit skin exposure

Inhalation exposure is minimized by wearing dust mask in accordance with SABS 1455/EN & Gov, Gazette 1200 of 22/10/89

Prevent eye contamination by wearing fully sealing eye protection.

4. COMPOSITION/INFORMATION ON INGREDIENTS

4.1 CHEMICAL CHARACTERIZATION:

Mixture

4.2 DESCRIPTION:

Chemical Family: Calcium Salts. Comprises predominantly calcium silicate salts, with salts containing iron and aluminium.

5. FIRST-AID MEASURES

5.1 GENERAL INFORMATION:

Under ordinary workplace conditions: No special measures required

5.2 AFTER CONTACT WITH THE SKIN

Wash with plenty of water or water and soap.

First-aid measures cont.

5.3 AFTER CONTACT WITH THE EYES

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

5.4 AFTER SWALLOWING

If conscious, give several small portions of water to drink. Do not induce vomiting. In cases of sickness seek medical advice (show label if possible).

5.5 ADVICE FOR THE PHYSICIAN

Due to its physical properties, may cause mechanical irritation. Product may agglutinate in the gastro-intestinal tract. Medical assistance should be sought. Depending on the symptoms, invasive measures may be necessary.

6. FIRE-FIGHTING MEASURES

6.1 CEMENT IS NOT INFLAMMABLE

6.2 SPECIAL EXPOSURE HAZARDS ARISING FROM THE SUBSTANCE OR PREPARATION ITSELF, COMBUSTION PRODUCTS, RESULTING GASES

No further relevant information available

6.3 SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING

No further relevant information available

7. ACCIDENTAL RELEASE MEASURES

7.1 PERSONAL PRECAUTIONS

Wear a dust mask

7.2 ENVIRONMENTAL PRECAUTIONS

Do not allow to enter into sewer, drainage or potable water systems

7.3 METHODS FOR CLEANING UP

Take up mechanically and dispose of according to local/state/federal regulations.

7.4 FURTHER INFORMATION:

Observe notes under section 7 with regards to safe handling

Observe section 8 for information on personal protective equipment.

8. HANDLING AND STORAGE

8.1 HANDLING

Precautions for safe handling:

Avoid dust formation.

Precautions against fire and explosion:

No special measures required

8.2 STORAGE

Conditions for storage rooms and vessels:

No special measures required

Advice for storage of incompatible materials: not applicable .

Further information for storage: not applicable .

9. EXPOSURE CONTROLS AND PERSONAL PROTECTION EQUIPMENT

9.1 EXPOSURE LIMITS

9.2 EXPOSURE LIMITED AND CONTROLLED

9.3 EXPOSURE IN THE WORK PLACE LIMITED AND CONTROLLED

General protection and hygiene measures: Do not breathe dust. Do not eat when handling.

9.4 PERSONAL PROTECTION EQUIPMENT

Respiratory protection

In case of dust formation: fine dust mask without protection rating .

Eye protection

Recommendation in case of dust formation: tight fitting protective goggles .

9.5 EXPOSURE TO THE ENVIRONMENT LIMITED AND CONTROLLED

Prevent material from entering surface waters and soil.

10. PHYSICAL AND CHEMICAL PROPERTIES

10.1 GENERAL INFORMATION

Physical state / form.....: solid - powder

Colour: grey - brown

Odour: odourless

10.2 IMPORTANT INFORMATION ABOUT THE PROTECTION OF HEALTH, SAFETY AND THE ENVIRONMENT

Property: Value: Method:

Melting point / melting range: not applicable

Boiling point / boiling range: not applicable

Flash point.....: not applicable

Auto-ignition temperature.....: product is not self-igniting

Lower explosion limit (LEL): not applicable

Vapour pressure.....: not applicable

Bulk density.....: 1300-1500 kg/m³ (DIN EN ISO 60)

Water solubility / miscibility.....: Insoluble sets in water

pH-Value: 11

Viscosity (dynamic): not applicable

11. STABILITY AND REACTIVITY

11.1 GENERAL INFORMATION:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

11.2 CONDITIONS TO AVOID

none known .

11.3 MATERIALS TO AVOID

none known .

11.4 HAZARDOUS DECOMPOSITION PRODUCTS

If stored and handled properly: none known . At increased temperature: acetic acid .

12. TOXICOLOGICAL INFORMATION

12.1 GENERAL INFORMATION:

According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable.

12.2 TOXICOLOGICAL TESTS

Acute toxicity

Primary irritation: Eyes: irritating effect

Sensitization: no sensitizing effects known

Further information: The product shows the following aspects:

Irritant

13. ECOLOGICAL INFORMATION

13.1 ECOTOXICITY

No expected damaging effects to aquatic organisms.

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

13.2 MOBILITY

No further relevant information available

13.3 BIO-ACCUMULATION POTENTIAL

No adverse effects
expected.

13.4 OTHER HARMFUL EFFECTS

-

13.5 ADDITIONAL INFORMATION

General information:

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14. DISPOSAL CONSIDERATIONS

14.1 MATERIAL

Do not allow product to reach sewerage system

Disposal should be in accordance with local, state or national legislation.

Mix product residue with water, allow to harden and dispose of as construction waste

14.2 UNCLEANNED PACKAGING

Recommendation:

Completely discharge packaging. Paper packaging may be recycled

15. TRANSPORT INFORMATION

15.1 LAND TRANSPORT ADR AND RID

Road ADR:

Valuation: Not regulated for transport

Railway RID:

Valuation: Not regulated for transport

15.2 TRANSPORT BY SEA IMDG-CODE

Valuation: Not regulated for transport

Marine Pollutant: no

15.3 AIR TRANSPORT ICAO-TI/IATA-DGR

Valuation: Not regulated for transport



16. REGULATORY INFORMATION

16.1 NATIONAL REGULATIONS

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

17. OTHER INFORMATION

17.1 MATERIAL

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.