iTe® CEMENT
SUPERIOR BUILDING CEMENT

DATA SHEETS

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GREEN BUILDING COUNCIL SOUTH AFRICA
MEMBER ORGANISATION 2015

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1. SPECIFICATIONS SHEET

1.1 FOR BETTER RESULTS

The aggregates used in mixtures are by volume the major constituents of the plaster, mortar or concrete mix. They significantly influence the performance and cost. Use only reputable suppliers whose quality consistency can be relied on.

1.2 SAND

Sand should be free of organic matter such as roots, twigs and leaves.

Well graded sand ranging from dust to coarse particles will produce the best results—Too many fines will require a high water demand which causes shrinkage during drying, while a no fines sand results in a harsh mix with no workability.

1.3 WATER

Use the least amount of water in the mix for the workability required.

1.4 TIME

The quantity of the mix should be small enough to be used up within two hours—NEVER retemper a mix by mixing in additional water!

1.5 ATMOSPHERIC CONDITIONS:

Mortar *- One should not use concrete at temperatures below 5º C. When working at high temperatures, the bricks should be moistened to prevent too much water being sucked out of the mortar.*

Direct sunlight and drying winds can adversely affect the mortar.

Concrete *- Try to slow the curing of the concrete once initial set has been achieved, by placing a plastic sheet or damp hessian over the new concrete.*

2. MATERIAL SAFETY DATA

2.1 IDENTIFICATION OF THE SUB STANCE/PREPARATION AND COMPANY

2.1.1 NAME OF SUBSTANCE/PREPARATION:

Commercial product name:....**CEMENTiTe**

2.1.2 USE OF SUBSTANCE / PREPARATION

Industrial/Commercial/Residential.

Used for: Hydrophobic impregnation of plastered and concrete walls, natural stone finishes as a protective agent.

All other areas of application to be agreed with the Application Engineering/Technical Marketing Department of the manufacturer.

2.1.3 COMPANY NAME

Manufacturer/distributor:.....iTe Products (Pty) Ltd

Street:.....7 Clarke Street South

State/postal code/city:.....Alrode, 1451

Telephone:.....+27 11 864 4918

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2.2 HAZARDS IDENTIFICATION

HAZCHEM CODE: 2Z-NON HAZARDOUS

2.2.1 CLASSIFICATION

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

R-Phrase Description – Nil

2.2.2 LABELLING

Labelling (67/548/45/EC):

R-Phrase Description – Nil

S-Phrase Description—Nil

2.2.3 FURTHER HAZARDS TO HUMAN AND ENVIRONMENT:

The product does not have any further hazards.

2.3 COMPOSITION/INFORMATION ON INGREDIENTS

2.3.1 CHEMICAL CHARACTERIZATION:

Mixture

2.3.2 DESCRIPTION:

Copolymer of acrylic acid ester +styrene (dispersion in water)

EC-No.	AS No.	Material	Content %	Warning Label
9043-30-5	Alpha-i-tridecyl-omega-hydr0xypolyglycolether	<3	Xn	R22-41

2.4 FIRST-AID MEASURES

General information - Under ordinary workplace conditions no special measures required.

2.4.1 INHALATION OF VAPOUR

No special measures required.

2.4.2 AFTER CONTACT WITH THE SKIN

Wash with plenty of water and soap. In case of continuous irritation seek medical advice.

Remove soiled clothing

2.4.3 AFTER CONTACT WITH THE EYES

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

2.4.4 AFTER SWALLOWING

Seek immediate medical attention.

2.5 FIRE-FIGHTING MEASURES

2.5.1 THE PRODUCT IS AN AQUEOUS DISPERSION AND IS NOT COMBUSTIBLE. DRIED UP MATERIAL IS COMBUSTIBLE.

2.6 ACCIDENTAL RELEASE MEASURES

2.6.1 PERSONAL PRECAUTIONS

Wear personal protective equipment. Be aware of slippage.

2.6.2 ENVIRONMENTAL PRECAUTIONS

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

2.6.3 METHODS FOR CLEANING UP

Large spillages should be contained and pumped into a receiving vessel.

Small spillages should be absorbed on an inert absorbent (sand, sawdust, diatomite).

2.6.4 FURTHER INFORMATION:

Observe notes under section 7 with regards to safe handling

Observe section 8 for information on personal protective equipment.

For disposal methods refer to section 13.

2.7 HANDLING AND STORAGE

2.7.1 HANDLING

No special precautions needed with normal housekeeping. Spilled substance increases the risk of slipping.

2.7.2 STORAGE

Conditions for storage rooms and vessels:

Protect from frost and direct sunlight.

2.8 EXPOSURE CONTROLS AND PERSONAL PROTECTION EQUIPMENT

2.8.1 EXPOSURE LIMITS

Not applicable

2.8.2 EXPOSURE CONTROLS

Do not eat or drink when handling.

Eye protection

Personal protection equipment

Respiratory protection

Not required

Hand protection

For frequent contact, wear impermeable gloves

Eye protection

Goggles, face visor or safety glasses is recommended.

Skin protection

Not required.

2.8.3 EXPOSURE TO THE ENVIRONMENT LIMITED AND CONTROLLED

Prevent material from entering surface waters and soil.

2.9 PHYSICAL AND CHEMICAL PROPERTIES

2.9.1 GENERAL INFORMATION

Physical state / form.....: milky white liquid

Odour .....: slight

pH..... .....: 7.5—8.5

Boiling Point..... .....: Approx 100°C

Melting .....: Approx 0°C

Flashpoint.....: Not Applicable

Flammability .....: "

Auto-flammability.....: "

Explosion Hazard.....: "

Oxidising Properties .....: "

Vapour Pressure .....: Approx 23 hPa at 20°C

Relative density.....: Approx 1.03gm/cm3

Solubility in water.....: moderately soluble

Viscosity (dynamic): 6000—12000mPa.s at 23°C (Brookfield, spindle 5/20 rpm)

2.10 STABILITY AND REACTIVITY

2.10.1 GENERAL INFORMATION

The product is stable if stored and handled in accordance with standard industrial practices.

2.11 TOXICOLOGICAL INFORMATION

2.11.1 ECOTOXICITY

Long term experience of this product type indicates no danger to health when properly handled under industrial conditions, and acute toxicity effects are not expected after a single oral exposure.

2.12 ECOLOGICAL INFORMATION

2.12.1 GENERAL INFORMATION

The product is not classified as dangerous to the environment according to EC directive 93/21/EEC.

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

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

2.13 DISPOSAL CONSIDERATIONS

2.13.1 1 MATERIAL

The product and waste water containing product should not be discharged directly into drains and waterways without treatment. The polymer content may be separated in a suitable coagulation and purification plant. Details available on request. Disposal of the product, solid waste and packaging should be in accordance with local, state or national legislation and undertaken by an authorized contractor.

2.14 TRANSPORT INFORMATION

2.14.1 HANDLING

The product is not classified as hazardous according to International Transport Regulations.

2.15 REGULATORY INFORMATION

The product is not classified as Dangerous according to EC Directive 88/379/EEC (including subsequent amendments) and requires no special labelling.

2.16 OTHER INFORMATION

2.16.1 MATERIAL

2.16.2 This Material Safety Data Sheet conforms to EC Directive 91/155 EEC and 93/112EC. 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.

End of Safety Data Sheet -