

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name: **NATCEM**
Application: As a Cement Paste for Leak Stopping, and as a binder in Mortars and Concrete
Company: **Natural Cement Distribution Ltd.**
Address: 15 Fountain Parade, Mapplewell, Barnsley, S. Yorks, S75 6FW
Telephone: 01226 381133 Fax: 01226 381177 www.naturalcement.co.uk

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Composition: NATCEM is a Natural Cement. By its nature, it can vary slightly in composition. Like Artificial Portland Cements it is composed of Calcium Aluminates and Silicates, with small Quantities of Lime and Magnesium, plus sulphates of Sodium, Potassium and Calcium.

3. HAZARDS IDENTIFICATION

Dust Powder	Irritant (XI).	NATCEM is a very fine powder. It should not be allowed to come into contact with the eyes. Risk Phrases R36, R37, R36 As with other cements, NATCEM releases a strong alkali when it comes into contact with water (Hydration), including the mucous membranes of the nose, mouth and eyes. This alkali may occasionally cause burns or irritation. There is a possibility of an allergic reaction in hypersensitive individuals to salts of trace elements Chromium, formed during Hydration. Risk Phrases R41, R43. Avoid prolonged contact with wet Paste, Mortar or Concrete. Upon Hydration (After Mixing with water) a little heat is released. This is not a dangerous level.
During hydration	Irritant (XI).	

4. FIRST AID

Dust Powder	Eye Contact	Irrigate immediately and profusely with clean water, to eliminate all trace of the powder.
	Skin Contact	Wash immediately and profusely with Soap and Water.
	Inhalation	Remove subject into fresh air until symptoms subside.
	Ingestion	Give plenty of water to drink. If symptoms persist, seek medical attention.
	As Hydrate Cement	In the event of a burn or irritation, wash the area thoroughly with cold water and seek medical advice.

5. FIRE FIGHTING MEASURES

NATCEM is not flammable. (UN. Class MO), nor will it facilitate the combustion of other materials.

: ACCIDENTAL RELEASE

s powder Measures

Avoid Breathing the powder or dust.

Clean up powder spillage with brush or vacuum cleaner, taking care not to raise excessive dust.

s hydrated cement

Allow to set before cleaning up cement.

: HANDLING & STORAGE

acking

NATCEM is normally packed in a polythene bag within a cardboard tub, in impregnated paper bags, in Polythene 'Big Bags, in Bulk Tankers or Silos.

afety

Avoid spillage from broken bags.

Avoid raising dust while sweeping.

Wear suitable protective clothing when handling bags, which may have small amounts of material on the outside.

torage

Store in dry conditions.

: EXPOSURE CONTROL

s powder

No specific data is available, but exposure tolerances would be greater than those for Portland Cement: 10mg/M³ total inhalable dust, 5mg/M³ respirable dust. 8 Hr TWA

ersonal Protection

Avoid breathing the powder

Avoid raising dust

WEAR SAFETY GOGGLES, WORK GLOVES and DUST MASK

/hen Mixing

Always add the powder to the water in order to avoid raising dust.

WEAR SAFETY GOGGLES and WATERPROOF GLOVES

Discard immediately any clothing that becomes saturated with wet cement.

/hen Working

Avoid contact with the wet mortar, concrete or grout during the setting reaction. WEAR WATERPROOF GLOVES

Discard immediately any clothing that becomes saturated with wet cement.

: PHYSICAL AND CHEMICAL PROPERTIES

pppearance

Beige Grey Powder

h value

12 to 13 in water

pparent Density

1.0

ue

2.7

olubility in water.

The dissolution is accompanied by the precipitation of the hydrates formed, i.e. on contact with water NATCEM first dissolves, combines with the water and sets hard. Setting Time is 90 seconds at 20°C

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2: STABILITY AND REACTIVITY

NATCEM. Is stable and inert when set, and as a DRY powder

1: TOXICOLOGY INFORMATION

NATCEM. Is not toxic.
In the case of prolonged contact while setting, NATCEM. can cause desiccation of the skin and/or mucous membranes.
When the setting reaction is occurring, certain salts of trace (e.g. Chromium) can cause an allergic reaction to the skin of certain individuals after long or repeated contact.

2: ECOLOGICAL INFORMATION

Manufacture NATCEM. is manufactured in plant equipped with filters preventing emission of dust to the atmosphere.
NATCEM. is transported pneumatically within the plant to avoid dust emissions.

Use After setting and hardening, NATCEM mortars, concretes and grouts are insoluble and stable.

3: DISPOSAL CONSIDERATIONS

Powder Unused NATCEM. should be set with water before disposal.

Paste, Mortar Once set NATCEM. is inert, not toxic, non-biodegradable, and will not affect concrete drinking water.

General Disposal should always comply with local, National and/or EC regulations.

4: TRANSPORT INFORMATION

NATCEM. Requires no special precautions.

5: REGULATORY INFORMATION

NATCEM. Is not subject to regulatory legislation.
This SAFETY DATA SHEET supplements, but does not replace, other information given regarding the use of NATCEM.

	The user bears the responsibility to ensure that NATCEM is used only in accordance with our instructions for the purposes intended.
Risk Phrases applicable to the powder.	R36 Irritant to Eyes. R37 Instant to Respiratory System. R38 Irritant to Skin.
Risk Phrases applicable during hydration	R41 Risk of serious damage to Eyes. R43 May cause sensitisation by skin contact.
Safety Phrases	S2 Keep out of reach of Children S22 Do not breathe dust. S24 Avoid contact with skin. S26 In case of contact with Eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of soap and water. S36 Wear suitable protective clothing S37 Wear Suitable Clothing S39 Wear eye and face protection.

5: OTHER INFORMATION

The data contained within this SAFETY DATA SHEET is taken from information provided by the manufacturers.

Societe VICAT
Tour Gan Cedex 13,
92082 La Defense,
France.

Further advice and information regarding the handling of cement products generally is available from:-

CONTAC Health Hazard Information Sheet No- 26 (Cement)
Health and Safety at Work Act 1974 Control of Substances Hazardous to Health (Regulations) 19%
Portland Cement Dust - Criteria Document for an Occupational Exposure Limit. H.S.E. Guidance Note EH 26
H.S.E. Leaflet MS(B)G
H.S.E. Guidance Note EH40
Manual Handling Operations Regulations 1992
Chemicals (Hazard Information and Packaging) Regulations 1993

This SAFETY DATA SHEET is compiled in the full state of our current knowledge of the product in MAY 1995, and is subject to revision without notice.

Users should ensure that they are aware of the latest revisions.