

## **SAFETY DATA SHEET**

### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1 Product name**  
**Betoon C30 (Concrete C30)**  
**VERTIKAALVUUGIBETOON (Vertical Joint Concrete)**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Cement-based construction products
- 1.3 Details of the supplier of the safety data sheet**
- |                     |   |
|---------------------|---|
| <b>Manufacturer</b> | UNINAKS AS                                |
| <b>Address</b>      | Valuste tee 1<br>Lihula 90303<br>Läänemaa |
| <b>Tel:</b>         | +372 66 10 520                            |
| <b>Fax:</b>         | +372 65 65 744                            |
| <b>e-mail:</b>      | uninaks@uninaks.ee                        |
- 1.4 Emergency telephone number**
- |   |                 |
|---|-----------------|
| <b>POISON INFORMATION CENTRE NUMBER</b> | 16662 (Estonia) |
| <b>EMERGENCY NUMBER</b>                 | 112             |

### **SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture**  
**Classification according to Directive 1999/45/EC**  
Xi; R37/38  
R41
- 2.2 Label elements**  
**According to Directive 1999/45/EC:**
- Hazard symbol(s)**
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- Xi Irritant
- Risk phrases**  
R37/38 Irritating to respiratory system and skin.  
R41 Risk of serious damage to eyes.
- Safety phrases**  
S2 Keep out of the reach of children.  
S22 Do not breathe dust.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S39 Wear eye/face protection.  
S46 If swallowed, seek medical advice immediately and show this container or label.
- 2.3 Additional information**  
The products contains cement, which causes skin irritation (especially when the product is mixed with water) and respiratory irritation.  
Chromium VI compounds: below 2 mg/kg dry weight.  
According to Annex XVII of Regulation (EC) No.1907/2006 cement and cement-containing mixtures shall not be placed on the market, or used, if they contain, when hydrated, more than 2 mg/kg (0,0002 %) soluble chromium VI of the total dry

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weight of the cement.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixture

Substance name	Identifiers	Concentration %	Classification	
			Directive 67/548/EEC	Regulation (EC) No 1272/2008
Portland cement	EC no 266-043-4 CAS no 65997-15-1	5-30	Xi; R37/38-41	Not classified
Washed quartz (>2% resp.quartz)	EC no 238-878-4 CAS no 14808-60-7	50-75	Not classified	Not classified
Cement, aluminium oxide	EC no 266-045-5 CAS no 65997-16-2	5-30	Xi; R37/38-41	Not classified
Plastic polymer		1 – 7	Not classified	Not classified

See Section 16 for the full text of the R-phrases declared above.  
See Section 16 for the full text of the H statements declared above.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General first aid measures

##### Inhalation

Remove casualty to fresh air. Get medical attention of irritation persists.

##### Skin contact

Remove contaminated clothing.  
Wash skin immediately with plenty of water and soap.  
After washing apply greasy cream onto the skin.  
Get medical attention of irritation persists.

##### Eye contact

Wash open eye immediately with plenty of water for at least 15 minutes.  
Get medical attention of irritation persists.

##### Ingestion

Do not induce vomiting if possible.  
Drink plenty of milk or water and get medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

Data not available

#### 4.3 Indication of any immediate medical attention and special treatment needed

Data not available

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media:

Water  
Extinguishing media should be chosen according to the conditions of specific environment.

##### Unsuitable extinguishing media:

None known

#### 5.2 Special hazards arising from the substance or mixture

Product is not flammable. Fire safety class A1.

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- 5.3 Advice for fire-fighters**  
Standard protective clothing.

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### SECTION 6: Accidental release measures

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- 6.1 Personal precautions, protective equipment and emergency procedures**  
Use appropriate protective equipment.
- 6.2 Environmental precautions**  
No special measures.
- 6.3 Methods and materials for containment and cleaning up**  
Largest spillages dispose of via local authority. See also sections 8 and 13.  
Spilled product to be removed with a vacuum cleaner. Avoid scattering of the product.
- 6.4 Reference to other sections**  
See Sections 8 and 13.

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### SECTION 7: Handling and storage

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- 7.1 Precautions for safe handling**  
Avoid direct contact with the product, especially after it is diluted with water. Use protective gloves. See section 8.  
When dust is formed during work approved respiratory protection can be used. See section 8.  
Store in original packaging out of reach of children.  
Use product as soon as possible after opening the packaging.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Store in dry places and tightly closed.
- 7.3 Special use**  
Additional information can be found in section 8.

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### SECTION 8: Exposure controls/personal protection

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- 8.1 Control parameters**  
**Occupational exposure limits**

Substance	Regulation No. 293 (Estonia)	Remark
Quartz, fine dust (CAS no 14808-60-7)	0,1 mg/m <sup>3</sup> 8h	Fine dust consists of particles below 2,5 µm that may enter in inhalation lung alveoles.
Cement dust	Total dust: 10 mg/m <sup>3</sup> 8h Fine dust: 5 mg/m <sup>3</sup> 8h	Fine dust consists of particles below 2,5 µm that may enter in inhalation lung alveoles.

- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**  
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits especially when dust, exhaust gases, vapour or mist is formed during use.
- 8.2.2 Individual protection measures**  
**Eye/face protection:** Use goggles/face protection.  
**Skin protection:**

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<b>Hand protection</b>	Use protective gloves. Rubber/PVC.
<b>Other</b>	Change contaminated clothing. Wash hands before breaks and after work.
<b>Respiratory protection:</b>	Use rubber semi-mask/P2 filter. Exposure to dust must be at minimum concentrations.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Physical state	Powder
Colour	Grey
Odour	Not available
Odour threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility(ies)	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

**9.2 Other information**

Not available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Refer to Conditions to avoid and Incompatible materials for additional information.

**10.2 Chemical stability**

Chemically stable under normal conditions of use and storage.

**10.3 Possibility of hazardous reactions**

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Does not decompose when used in accordance with the instructions.

### 10.4 Conditions to avoid

Carbon dioxide is formed in contact with strong acids and hardening ability of the product reduces. Hardens when in contact with water.

Keep away from moisture.

Avoid formation of dust clouds.

### 10.5 Incompatible materials

None known

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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## SECTION 11: Toxicological information

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### 11.1 Information on toxicological effects

**Inhalation** Inhalation of dust may cause serious nose, throat and respiratory irritation.

**Ingestion** Serious stomach and intestine irritation or corrosion in ingestion.

**Skin contact** Product causes in contact with skin serious irritation. Hazard of wounds especially when the product is mixed with water.

**Eye contact** Product may cause serious damage when in contact with eyes. Serious eye damage hazard.

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## SECTION 12: Ecological information

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### 12.1 Toxicity

Not classified dangerous

### 12.2 Persistence and degradability

Data not available

### 12.3 Bioaccumulative potential

Data not available

### 12.4 Mobility in soil

Data not available

### 12.5 PBT and vPvB assessment

Not applicable

### 12.6 Other adverse effects

Data not available

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## SECTION 13: Disposal considerations

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### 13.1 Waste treatment methods

Hardened waste may be disposed similarly to construction waste – European Waste Code (EWC): 17 01 01.

Non-hardened residues are regarded as dangerous waste and disposed via an authorised person/licensed waste disposal contractor according to local regulations - European Waste Code (EWC): 20 01 15\* (alkaline waste).

Waste packaging should be disposed in accordance with local regulations. Any waste containing product residues are classified as hazardous.

**SAFETY DATA SHEET****SECTION 14: Transport information**

<b>14.1</b>	<b>UN number</b>	-
<b>14.2</b>	<b>ADR/RID</b>	Not applicable
	<b>UN proper shipping name</b>	-
	<b>Transport hazard class(es)</b>	Not classified
	<b>Packing group</b>	Not classified
	<b>Environmental hazards</b>	No
<b>14.3</b>	<b>IMDG</b>	Not applicable
	<b>UN proper shipping name</b>	-
	<b>Transport hazard class(es)</b>	Not classified
	<b>Packing group</b>	Not classified
	<b>EmS</b>	Not classified
	<b>Marine pollutant</b>	No
	<b>Environmental hazards</b>	No
<b>14.4</b>	<b>IATA</b>	Not applicable
	<b>UN proper shipping name</b>	-
	<b>Transport hazard class(es)</b>	Not classified
	<b>Packing group</b>	Not classified
	<b>Environmental hazards</b>	No
<b>14.5</b>	<b>Special precautions for user</b>	Not applicable

**SECTION 15: Regulatory information**

<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	Regulation No. (EC) 1907/2006 (REACH). Regulation No. (EU) 453/2010 (amending Annex II of REACH). Dangerous Substances Directive 67/548/EEC Dangerous Preparations Directive 1999/45/EC Regulation No. (EC) 1272/2008 (CLP).
<b>15.2</b>	<b>Chemical Safety Assessment</b>	Not applicable

**SECTION 16: Other information**

<b>16.1</b>	<b>Restriction of the use of the product</b>	None
	<b>Special training requirements</b>	None
<b>16.2</b>	<b>Full text of abbreviated risk phrases</b>	R37/38 Irritating to respiratory system and skin. R41 Risk of serious damage to eyes.
	<b>Date of issue:</b>	01.09.2004
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Safety Data Sheet according to Annex II of Regulation (EC) No. 1907/2006

Date of issue: 14.02.2012

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