

## MATERIAL SAFETY DATA SHEET

**Product name:** PÕRANDANAKS, NOBENAKS, NAKS+P, NAKS-1, NAKS-2, NAKS-3, NAKS-4, VUUGISEGU gray, VR3, R3, TP, M, SILER-1 VR3, R3, TP, M, SILER-3 VR3, R3, TP, M, KIUDPAHTEL, KIPSPAHTEL, SILER-3 gray, TELLISESILER, KROHWISEGU, KIUDKROHV, MÜÜRISEGU M100 gray, MÜÜRISEGU M200 gray, VR3, R3, TP, M, KIVILIIM gray, VR3, R3, TP, M, PLOKILIIM gray, PLAADILIIM, VALUBETOON M300, BETOON C30, FIIBERBETOON, GRANIITBETOON M500, PAISUV BETOON M400, VERTIKAALVUUGIBETOON, TORDEX 1, JOOTEBETOON C70, MARMORBETOON gray

**Usage:** cement-based construction products

### 2 Components

Contains amongst other ingredients	EC No.	CAS No.	Percent (by weight)	Classification
Portland cement	266-043-4	65997-15-1	5-30	Xi; R37/38-41
Washed silica sand (>2% quartz)			50-75	
Grey high-alumina cement	266-045-5	65997-16-2	5-30	Xi; R37/38-41
Polymer plastic			1-7	

### 3 Hazard identification

The product contains cement and can cause skin (especially in contact with water) and respiratory system irritation.

### 4 First aid measures

Inhalation:

Remove the victim to fresh air. Seek medical help if symptoms do not subside.

Skin:

Remove clothes polluted with the product. Wash skin with plenty of water and soap. After washing treat skin with greasy cream. Seek medical help if irritation symptoms do not subside.

Eyes:

Immediately flush open eyes thoroughly with plenty of water for at least 15 minutes.

Seek medical help if irritation symptoms do not subside.

Swallowing:

If possible avoid vomiting. Have the victim drink water or milk and call a physician immediately.

## **5 Firefighting measures**

The product is not flammable.

## **6 Accidental release measures**

Bigger quantities of the released material shall be taken to the waste collection centre of the local government. See also articles 8 and 13. Spilled product shall be removed with a vacuum cleaner. Avoid spreading of the material.

## **7 Handling and storage**

Avoid direct contact with the product, especially after it is mixed with water. Wear protective gloves. See article 8.

If the work is dusty use approved respiratory protection devices. See article 8.

The product shall be stored in the original package out of the reach of children. The content of an opened package shall be used as quickly as possible.

Fire safety class: -

## **8. Exposure controls/personal protection**

A special limit value is set for the following ingredients:

Quartz dust – in total	0.3 mg/m <sup>3</sup>
Quartz dust – inhalable	0.1 mg/m <sup>3</sup>

If needed the abovementioned personal protection equipment shall be used:

Respiratory system protection: rubber half-mask/P2 filters      Gloves:  
rubber/PVC

Eye protection: glasses/face protection

## **9 Physical and chemical properties**

Appearance:	powder
Solubility in water:	-
Odour:	-
Ratio coefficient n-octanol/water:	-
pH:	-
Flame point:	-
Boiling point/interval:	-
Spontaneous ignition temperature:	-
Melting point/interval:	-

Explosion limits:	-
Steam pressure (20° C):	-
Other:	-
Mass:	-

-: means there is no data or it is of no importance.

## 10 Stability and reactivity

In contact with strong acids, forms carbon dioxide and the product will lose its hardening properties. Hardens in contact with water.

## 11 Toxicological information

Inhalation:	breathing dust may irritate the nose, throat and respiratory system.
Skin:	the product causes strong irritation in contact with skin; danger of wounds, especially when the product is mixed with water.
Eyes:	in contact with eyes the product causes strong irritation. A danger of serious eye damage.
Swallowing:	causes strong irritation or retching in stomach and intestinal tract.

## 12 Environmental risk (for ingredients):

Hazard to aquatic environment:	no sufficient data available.
Hazard to other ecological systems:	no sufficient data available.

## 13 Disposal

Hardened waste can be disposed of similarly to construction waste – Waste catalogue code (EAK code): 17 07 01. Non-hardened waste is treated as dangerous waste and shall be disposed of according to the requirements stipulated in the regulations of the local government – Waste catalogue code (EAK code): 20 10 15 (basic waste).

## 14 Transportation data

The product does not belong to the transportation group of hazardous materials.

## 15 Other regulatory information

Hazard symbol on the package:

Irritating to respiratory system and eyes (R37/38)

Risk of serious damage to eyes (R41)

Keep out of the reach of children (S2)



Irritant!

<p>Do not breath dust (S22)</p> <p>In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)</p> <p>Wear eye/face protection (S39)</p> <p>If swallowed, seek medical advice immediately (show the label where possible (S46)</p>
<p><b>MAL code (1993):</b> 00-4</p> <p>Chromate content: less than 2 mg / kg in dry product</p>

Usage limitation: not applicable.

Requirements for special training: not applicable.

Belongs to the scope of application of other special regulations:

- a regulation regarding working with products identified with code no. 302 of 13 May, 1993;
- a regulation regarding water-soluble chromate in cement, no. 661, 28 November 1983.

## 16 Other information

not applicable.