

MATERIAL SAFETY DATA SHEET

In accordance with the EC REACH Regulation No. 1907/2006 and No. 453/2010
 Classified and labelled in accordance with EC regulation No. 1272/2008 (CLP).

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name

Naks-1	UniTherm 3
Naks-2	Quick set concrete
Naks-3	Fibre concrete mix NAKS FB
Naks-5	Telliseler SILER TT
Masonry mortar NAKS M100	Mortar-stone adhesive
Masonry mortar NAKS M200	Block adhesive
Non-shrink concrete JC55	Tordex-1
Non-shrink concrete JC70	Concrete C30
Non-Shrink concrete M300	Concrete C40
Lime mortar NAKS LK1	Lime-cement mixture
	Lightweight concrete LC18

Product type: cement-based construction material

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: construction

1.3. Details of the supplier of the safety data sheet

Manufacturer: Uninaks AS
 1 Valuste Street
 90303 Lihula
 Telephone: +372 656 5744
 Fax: +372 656 5744
 E-mail: uninaks@uninaks.ee

Date: 01.10.19 Version: 1.1

1.4. Emergency telephone number

Telephone number, name and address: Poisoning Information Centre (<http://www.16662.ee>)
 Tel: 16662. Available for calling 24 hours a day from 09:00 AM on Monday till 09:00 AM on Saturday for general public and health care professionals.
 The centre is closed on weekends. For calls from abroad: +372 626 9390.

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

See Section 16 for full text of the R-phrases.

DPD: Xi; R37/38-41
 CLP: Skin Irrit. 2; H315 – Eye dam. 1; H318 – STOT SE 3; H335

The effect may cause redness and stinging of the eyes and lacrimation, itching in the nose and throat, and coughing. Dust from the product may irritate eyes, skin and respiratory tract. May cause permanent damage to the eyes. Dangerous when moist: the product causes burns to the eyes, skin and mucous membranes. Prolonged inhalation of the dust particles may bring about the danger of pulmonary infection.

2.2. Label elements

Hazard pictograms:



Signal word: **Caution**

Hazard statements

H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.

Precautionary statements

P102 Keep out of reach of children.
 P261 Avoid breathing dust.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301/310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

PBT/vPvB Not relevant

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The product contains cement and quartz sand (inhalable quartz < 0.1%). The product contains chromium(VI) that remains below the permitted limit of 2 mg/kg in unopened packages within 12 months.

Hazardous ingredients

CAS	EINECS	Chemical name	Concentration	Classification
65997-15-1	266-043-4	Portland cement	30-60%	DSD: Xi, R37/38-41 CLP: STOT SE 3; H335 Skin irrit. 2; H315 Eye dam. 1; H318
14808-60-7	238-878-4	Quartz	10-60%	
1305-62-0	215-137-3	Lime	15-30%	Xi, R36/37/37, R41, R43 Cat 1 H318, Cat 2 H315

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Keep immobile. Seek fresh air. Administer oxygen or give artificial respiration, if needed. If symptoms persist, seek medical attention. Show these safety precautions to the doctor.
 Skin contact: If exposed, wash eyes or skin immediately using a copious amount of water for 15 minutes, and remove contaminated clothes and footwear. Seek medical attention if the irritation grows or persists. Show these safety precautions to the doctor.
 Eye contact: Rinse promptly with plenty of water, including under the eyelids, for at least 15 minutes. Remain under medical surveillance. Show these safety precautions to the doctor.
 Ingestion: Do not induce vomiting. Drink water. Call a doctor immediately.

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

Causes serious eye damage. Causes skin irritation. May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Show these safety precautions to the doctor.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Use a water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Specific hazards arising from the substance or mixture

The product is not flammable. Cooling water that has come into contact with the product could be corrosive.

5.3. Advice for firefighters

Use self-contained breathing apparatus and safety shoes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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Wear personal protective equipment. Avoid contact of the substance with the skin, eyes, and clothing. Provide adequate ventilation. See Section 8.

6.2. Environmental precautions

Do not empty into drains connected to surface water or sanitary sewers. Immediately inform competent authorities if the product has reached natural bodies of water.

6.3. Methods and material for containment and cleaning up

Sweep up and place in a proper container for disposal. Use an appropriate vacuum cleaner. Dispose of according to applicable legislation.

6.4. Reference to other sections

Data not available.

SECTION 7. HANDLING AND STORING

7.1. Precautions for safe handling

Wear personal protective equipment. Handle in accordance with good occupational hygiene and safety practice. Wash face and hands before breaks and immediately after handling the product. Provide adequate ventilation. Avoid contact of the substance with the skin, eyes, and clothing. Do not inhale dust.

7.2. Conditions for safe storage, including any incompatibilities

Store well-closed in a dry, cool and well-ventilated place. Use open packages as quickly as possible.

7.3. Specific end use(s):

Data not available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

CAS no.	Chemical name	Exposure limit	Anm	Ref
14808-60-7	Quartz, inhalable	0,1 mg/m ³	K	AT
14808-60-7	Total quartz	0,3 mg/m ³	–	AT
–	Mineral dust, inert, inhalable	5 mg/m ³	–	AT
–	Mineral dust, inert	10 mg/m ³	–	AT

8.2. Control parameters

Appropriate engineering controls: Handle in accordance with good occupational hygiene and safety practice. Provide adequate ventilation. Avoid exceeding exposure limits (see Section 8).

Personal protection measures

Respiratory protection: Use suitable respiratory protective device in the case of insufficient ventilation. Respirators that are permeable to dust are depreciated. Respirator equipped with a particle filter (EN 143) (P2).

Hand protection: Protective gloves, rubber gloves (EN 374), nitrile rubber.

Eye/face protection: Safety goggles with face protection in accordance with EN 166.

Skin protection: Personal protection equipment to be used: appropriate protective gloves, safety goggles and protective clothing (EN 340).

Environmental exposure controls: Data not available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Powder
 pH:
 Relative density:
 Solubility: Water-soluble

9.2. Other information

Data not available.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions. Keep in a dry place.

10.3. Possibility of hazardous reactions

Data not available.

10.4. Conditions to avoid

Keep packaged product away from moisture.

10.5. Incompatible materials

Reacts violently with acids. Wet mortar may react with aluminium powder and alkaline-earth metals, producing hydrogen.

10.6. Hazardous decomposition products

Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation: Dust from the product may irritate the respiratory tract and cause itching in the throat, respiratory involvement, chest pain and cough.

Skin contact: Dust from the product may irritate the skin. May cause burns on the skin and mucous membranes.

Eye contact: Dust from the product may cause redness and stinging of the eyes and lacrimation. May cause permanent damage to the eyes.

Ingestion: Ingestion may cause serious irritation in the mouth, oesophagus and gastrointestinal tract.

Long-term effects: Prolonged inhalation of the dust particles may bring about the danger of pulmonary infection.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

The product is not considered to be dangerous to the environment.

12.2. Persistence and degradability

Methods for the determination of the biodegradability cannot be applied to inorganic substances. Data regarding chemical degradation are not available.

12.3. Bioaccumulative potential

Avoid release of the product into the environment.

12.4. Mobility in soil

Do not empty residue into drains.

12.5. Results of PBT and vPvB assessment

Not relevant

12.6. Other adverse effects

Data not available.

SECTION 13. WASTE DISPOSAL

13.1. Waste treatment methods

Dispose of waste in an appropriate waste disposal facility.

Waste code:

170903

Other construction and demolition waste (including mixed waste) containing hazardous substances

170904

Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

Not classified as hazardous substance in accordance with regulatory rules regarding transportation.

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packaging group

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14.5. Environmental hazards –

14.6. Special precautions for user

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not regulated

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Data not available.

15.2. Chemical safety assessment

Data not available.

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SECTION 16. OTHER INFORMATION

Users must have received instructions on performing the work and be familiar with the content of these safety requirements.

16.1 Attachments, deleted information, amendments

11.09.2013 Version: 1.0

16.2 Key or legend to abbreviations and acronyms used in the safety data sheet

REACH According to Regulation No. 1907/2006 of the European Union
CLP REGULATION (EC) No 1272/2008
DSD Classified and labelled according to Directive 67/548/EEC.

16.3 Literature references and sources of information

Regulation (EC) No. 1272/2008, manufacturer's safety data sheet: Cement based building products

16.4 Classification procedure

Article 9(4), REGULATION (EC) No. 1272/2008

16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

16.6 Additional information:

Uninaks AS