

## 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Trade name: **Bemix Expanderande Köldbrik**

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

The products are used mainly for grouting.

### 1.3 Details of the supplier of the safety data sheet

Name:	Finja Bemix AB	Org.nr	556117-3377
Adress:	Finveds väg 6 194 47 Upplands Väsby	Phone no:	+ 46 10 – 455 20 00
		Fax no:	+ 46 10 – 455 23 92
		E-post:	<a href="mailto:info@finja.se">info@finja.se</a>

### 1.4 Emergency telephone number

Acute: 112 – ask for Poison information center

Emergency telephone number at company: + 46 10 – 455 20 00

Available outside office hours:  Yes  No

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture Classification according to 1272/2008/EG

Skin Irrit. 2; H315 – Eye dam. 1; H318 – STOT SE; H335

Health Risk of serious eye damage. Inhalation of dust may be irritating to respiratory tracts, nose and throat. In contact with wet skin and mucous membranes the product may have a corrosive effect. Often repeated inhalation of dust during a long period of time increase the risk to obtain damage to the lunges.

Environment Not classified as harmful to the environment. Contact with water gives a solution with high pH and this may be harmful to waterliving organisms.

Fire Not classified as flammable.

### 2.2 Label elements

#### Danger phrases:

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

#### Labelling according to 1272/2008/EG

Danger pictogram (s) and signal words



Danger

#### Safety phrases:

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P310 Immediately call a POISON CENTER or doctor/physician. S37/39 - Wear suitable gloves and eye protection.

Hazard-determining components of labelling: Portlandcement, sand containing quartz, sodium nitrate (FF)

### 2.3 Other hazards

#### Result of PBT/vPvB-assessment:

Based on available data the product does not contain any PBT-substances or vPvB-substances according to 1907/2006/EC (REACH) enclosure XIII.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Chemical characterization: Mixtures

Classification according to CLP-regulation (1272/2008/EC)

Dangerous component	Conc. %	CAS NO	EINECS	Code for danger class and category	Hazard statements
Portlandcement*	20 - 45	65997-15-1	266-043-4	STOT SE 3 Skin Irrit. 2 Eye Dam. 1	H335 H315 H318
Sand containing quartz (SiO <sub>2</sub> )**	55 - 80	14808-60-7	238-878-4		
Sodium nitrate***	<10	7631-99-4	231-554-3	Ox. Sol. 2, Eye Irrit.2	H272, H319

\* The Portlandcement is reduced Cr (VI) and consequently the H317 is not applicable for this product.

\*\* The classification of quartz depends on the amount of respirable crystalline quartz. The sand used in this product contains < 1% respirable crystalline quartz and is consequently not classified as harmful to health.

\*\*\* In FF only

For the wording of the listed risk phrases refer to section 16.

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

General information: Seek medical attention and show this safety data sheet.

After inhalation: Fresh air. Wash nose, mouth and throat with water. Get medical if symptoms persist.

After skin contact: Remove contaminated clothing. Wash the skin with soap and lots of water. If symptoms occur get medical attention.

After eye contact: Flush the eyes immediately with tempered water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses if possible. Get medical attention.

After swallowing: Immediately drink several glasses of water or milk/cream. Do not induce vomiting. Get medical attention or call 112 and ask for Poison Information Center.

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

After inhalation: May be irritating or cause corrosive damage in respiratory tracts. Long exposure to high concentrations of dust containing quartz may cause damage to the lungs (silicosis).

After skin contact: Corrosive if product is moist. May cause severe irritation or even corrosive damage. The product may cause skin dryness

After eye contact: May cause severe irritation or even corrosive damage. Risk of severe eye damage.

After swallowing: Burn in throat. May cause stomach pains. Risk of corrosive damage.

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

Always get medical attention if symptoms remain. Don't give anything through the mouth to an unconscious person. Follow the advice given in section 4.1

## 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

The product is not combustible.

Suitable extinguishing agents Use extinguishing agents suitable for the surrounding fire.

Unsuitable extinguishing agents No special recommendations.

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

No information available for the product.

### 5.3 Advice for firefighters

During all firefighting suitable protective equipment should be used. Protective suit covering the whole body and fresh air mask is recommended.

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of dust. Avoid contact with respiratory tracts, skin and eyes. Use suitable protective equipment, see section 8.

### 6.2 Environmental precautions

Avoid spreading of dust.

### 6.3 Methods and material for containment and cleaning up

Product spill should be collected carefully and put in special containers for waste handling. Wash the area. Avoid dust formation and spreading of dust. Cured material can normally be handled as construction waste.

### 6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment and Section 13 for waste handling.

## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid dust formation.

The work place shall have an eye shower with tempered water.

#### General protective and hygienic measures

Wash hands after work is finished, before eating and smoking and after visit to the toilet. No smoking, eating and drinking at the work place

### 7.2 Conditions for safe storage, including any incompatibilities

Store dry. Corrosive effect if product is moist. To reduce the risk of sensitization due to chrome the cement contains a low amount of Cr(VI). This effect remains 6 months after the packaging date if the product is stored according to instructions. Use of the product after this recommended time limit there is an increased risk of sensitization.

### 7.3 Specific end use(s)

See technical data sheet for additional information.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Swedish national occupational exposure limit values

Substance	Cas-no	Threshold value (TLV)	Short term value (STV)	Remark
Dust, inorganic	---	10 mg/m <sup>3</sup> (inhalation) 5 mg/m <sup>3</sup> (respirable)	---	
Quartz (SiO <sub>2</sub> )	14808-60-7	0,1 mg/m <sup>3</sup> (respirable)	---	C, M

Ref: AFS 2015:7 (Occupational exposure limit values)

### 8.2 Exposure controls

#### Technical control measures

Use good general ventilation and local process ventilation at risk of dust formation.

#### Personal protective equipment

**Eye protection:** At risk of direct contact or splashing use tightly sealed safety glasses.

**Protection of hands:** At risk of direct contact or splashing use gloves. (natural rubber, neoprene or PVC).

**Body protection:** Safety clothing when needed.

**Respiratory protection:** In case of brief exposure to dust use respiratory filter device with particle filter P3. In case of intensive or longer exposure use self-contained respiratory protective device.

**Thermal hazards :** Not applicable for the product

Control of exposure for the environment, see Section 6 and 13.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	Grey powder
Odour:	Slight smell
Odour threshold:	-
pH:	In water ca 12
Melting point:	Not applicable
Boiling point:	Not applicable
Flash point:	Not applicable
Flammability:	The product is not flammable
Evaporation rate:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density:	ca 2200 kg/m <sup>3</sup>
Solubility in water:	Miscible
Partition coefficient:	Not applicable
Auto- ignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Viscosity:	Not applicable
Explosive properties:	Not applicable
Oxidising properties:	Not applicable

### 9.2 Other information

No other information is available for the product.

## 10 STABILITY AND REACTIVITY

- 10.1 Reactivity** Reacts with damp/water and forms calcium hydroxide which gives the mixture a high pH. The product reacts with water and hardens.
- 10.2 Chemical stability** The product is stable if used according to supplier instructions.
- 10.3 Possibility of hazardous reactions** None known.
- 10.4 Conditions to avoid** Avoid damp.
- 10.5 Incompatible materials** Avoid contact with water except when using the product according to supplier instructions.
- 10.6 Hazardous decomposition products** None known.

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

- Acute toxicity The product is not classified as acute toxic
- Irritation The product is classified as irritating to eyes, skin and respiratory tracts.
- Corrosivity The product is not classified as corrosive. But if the product is moist it can be corrosive due to the high pH and consequently there is a risk of corrosive damage at longterm contact with moist product or wet skin. Dust and particles or splashes of wet cement in the eyes causes severe burn and may cause persistent eye damage.
- Sensitization The product is not classified as sensitizing. Contains traces of chrome. May cause allergic effects on already sensitized (chrome allergic) persons.
- Repeated dose toxicity Longterm exposure to high concentrations of dust containing quartz may cause damage to the lungs (silicosis).
- Carcinogenicity The product is not classified as cancerogene
- Mutagenicity The product is not classified as mutagene.
- Toxicity for reproduction The product is not classified as toxic for reproduction.

## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### General effect

The product is not classified as environmentally hazardous.

### 12.2 Persistence and degradability

Biologic degradability is not relevant for inorganic substances.

### 12.3 Bioaccumulative potential

No information available for the product.

### 12.4 Mobility in soil

No information available for the product.

### 12.5 Result of PBT- och vPvB- assessment

Based on available data the product does not contain any PBT-substances or vPvB- according to 1907/2006/EC (REACH) enclosure XIII.

### 12.6 Other adverse effects

Contact with water gives an pH which can be toxic for water living organisms

## 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Uncured product is classified as harmful waste but cured product is handled as construction waste. It is the company that produces the waste that shall define a suitable waste code connected to industrial sector and process.

Proposal Waste Code acc to Swedish Waste legislation "Avfallsförordningen 2011:927", uncured product:  
20 01 15\* - Alkaline waste

Proposal Waste Code acc to Swedish Waste legislation "Avfallsförordningen 2011:927", cured product:

10 13 14 – Waste concrete and concrete sludge

17 09 04 – Mixed construction and demolition waste

## 14 TRANSPORT INFORMATION

**The product is not classified as dangerous goods.**

- |  |                |
|--|----------------|
| 14.1 UN-number   | Not applicable |
| 14.2 UN Proper Shipping name   | Not applicable |
| 14.3 Transport hazard class(es)  | Not applicable |
| 14.4 Packing group   | Not applicable |
| 14.5 Environmental hazards   | Not applicable |
| 14.6 Special precautions for user                                      | Not applicable |
| 14.7 Transport in bulk acc to Annex II of MARPOL73/78 and the IBC Code | Not applicable |

## 15 REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the mixture

National legislations: Follow instruction regarding Quartz (AFS 2015:7)

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out for the product.

## 16 OTHER INFORMATION

**Risk phrases and danger phrases in full text from Section 3.2**

### Danger phrases:

- H272 – May intensify fire; oxidizer
- H315 – Irritation to skin
- H317 – May cause an allergic skin reaction
- H318 – Cause serious eye damage.
- H335 – May cause irritation to respiratory system.

### Revision

This version of the Safety Data Sheet substitutes all further versions.

### Important references and data sources

SDS from suppliers

ESIS (European Chemical Substances Information System) <http://esis.jrc.ec.europa.eu/>

IMA Europe, Position Paper (February 2010) "Classification and labelling of respirable crystalline silica (RCS)