

# Safety Data Sheet



Revision Date 06-Dec-2018  
Version 3

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name VANDEX UNIMÖRTEL 1 Z / VANDEX UNI MORTAR 1 Z

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

Recommended Use Sealing cement  
Product category PC10 - Building and construction mixtures not covered elsewhere

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

Supplier Vandex Isoliermittel-Gesellschaft  
Industriestrasse 21  
D-21493 Schwarzenbek  
Phone: +49 4151 89 15-0  
Fax: +49 4151 89 15 50

Vandex International Ltd / Vandex AG  
P.O. Box / Rötistrasse 6  
CH-4500 Solothurn  
Phone: +41 32 626 36 36  
Fax: +41 32 626 36 37  
This telephone number is available during office hours only.

For further information, please contact: [ehs@vandex.com](mailto:ehs@vandex.com)

### 1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA  
Chemtrec: 1-800-424-9300 USA

Europe 112  
Austria +43 1 406 43 43  
Belgium Poison center (BE): +32 70 245 245  
Denmark Poison Control Hotline (DK): +45 82 12 12 12  
Finland Poison Information Centre (FI): +358 9 471 977  
France ORFILA (FR): + 01 45 42 59 59  
Germany Poison Center Berlin (DE): +49 030 30686 790  
Poison Center Nord: +49 551 19240 (24h available English / German)  
Ireland National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566  
Iceland +354 543 2222  
Italy Poison Center, Milan (IT): +39 02 6610 1029  
Luxembourg 112  
Netherlands National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)  
Norway Poisons Information (NO): + 47 22 591300  
Portugal Poison Information Center (PT): +351 21 330 3284  
Spain Poison Information Service (ES): +34 91 562 04 20  
Sweden Poisons Information Center (SV): +46 8 33 12 31

Switzerland  
United Kingdom

Poison Center: Tel 145; +41 44 251 51 51  
111 / 0300 020 0155

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Specific target organ toxicity (single exposure)	Category 3 - (H335)

### 2.2 Label elements



**Signal Word**  
Danger

#### Hazard Statements

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

#### Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children  
P261 - Avoid breathing dust  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a POISON CENTER or doctor/physician  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P312 - Call a POISON CENTER or doctor if you feel unwell

Contains PORTLAND CEMENT Cr+VI<2ppm

#### Special labeling of certain preparations

Contains cement low in chromate according to EN 196-10

### 2.3. Other Hazards

No information available

## 3. Composition/information on ingredients

### 3.1 Substances

This product is a mixture. Health hazard information is based on its components.

### 3.2 Mixtures

**Chemical nature**

Mixture of cement, quartz sand and additives.

Chemical Name	EC-No	CAS No.	Weight-%	Classification (1272/2008/EC)	REACH Registration Number
SILICA SAND	238-878-4	14808-60-7	50 - 75	no data available	no data available
PORTLAND CEMENT Cr+VI<2ppm	266-043-4	65997-15-1	25 - 50	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	no data available

For the full text of the H-Statements mentioned in this Section, see Section 16

## 4. First Aid Measures

### 4.1 Description of first-aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
<b>Inhalation</b>	Move to fresh air. Call a physician if irritation develops or persists. If breathing is irregular or stopped, administer artificial respiration.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Ingestion</b>	Gently wipe or rinse the inside of the mouth with water. Drink plenty of water. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
<b>Protection of First-aiders</b>	Use personal protective equipment.

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

**Symptoms** Eye irritation. Irritating to respiratory system and skin.

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

**Notes to physician** Treat symptomatically.

## 5. Fire-Fighting Measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment, The product itself does not burn, Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

#### Extinguishing media which shall not be used for safety reasons

High volume water jet.

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

No hazardous decomposition products are known.

### **5.3 Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.

## **6. Accidental Release Measures**

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

#### **Personal precautions**

Use personal protective equipment. For personal protection see section 8.

#### **Advice for emergency responders**

For personal protection see section 8.

### **6.2 Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. See Section 12 for additional Ecological information.

### **6.3 Methods and materials for containment and cleaning up**

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for cleaning up**

Take up mechanically and collect in suitable container for disposal. Clean up promptly by sweeping or vacuum.

### **6.4 Reference to other sections**

See Section 8, 13 for additional information.

## **7. Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Do not breathe vapors or spray mist. Do not breathe dust. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

#### **Hygiene measures**

When using, do not eat, drink or smoke.

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

#### **Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

German storage class LGK 13

### **7.3 Specific end uses**

#### **Specific use(s)**

SU19 - Building and construction work

#### **Exposure scenario**

No information available.

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

### **8.1 Control parameters**

#### **Exposure Limit Values**

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
SILICA SAND 14808-60-7		TWA: 0.15 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.3 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>
PORTLAND CEMENT Cr+VI<2ppm 65997-15-1		TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
SILICA SAND 14808-60-7		TWA: 0.3 mg/m <sup>3</sup> total dust TWA: 0.1 mg/m <sup>3</sup> respirable dust Ceiling: 0.6 mg/m <sup>3</sup> total dust Ceiling: 0.2 mg/m <sup>3</sup> respirable dust	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.3 mg/m <sup>3</sup>	TWA: 0.025 mg/m <sup>3</sup>		TWA: 0.075 mg/m <sup>3</sup>
PORTLAND CEMENT Cr+VI<2ppm 65997-15-1	TWA: 1.25 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust Ceiling: 20 mg/m <sup>3</sup> total dust Ceiling: 10 mg/m <sup>3</sup> respirable dust	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>		
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
SILICA SAND 14808-60-7	TWA: 0.3 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> STEL: 0.9 mg/m <sup>3</sup> STEL: 0.3 mg/m <sup>3</sup>	TWA: 0.025 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	LLV: 0.1 mg/m <sup>3</sup>	TWA: 0.15 mg/m <sup>3</sup>	STEL: 0.3 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>
PORTLAND CEMENT Cr+VI<2ppm 65997-15-1		TWA: 10 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup>	STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>

TWA: Time weighted average  
 STEL: Short term exposure limit  
 LLV: Exposure Limit Values  
 STV: Short Term Value

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

**8.2 Exposure controls**

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye/Face Protection**

Tightly fitting safety goggles. Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to handling and processing of material.

**Hand Protection**

Rubber/latex/neoprene or other suitable chemical resistant gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

**Skin and body protection**

Long sleeved clothing. Wear impervious gloves and/or clothing if needed to prevent contact with the material.

**Respiratory protection**

Effective dust mask. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Recommended Filter type:**

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures** When using, do not eat, drink or smoke.

**Environmental Exposure Controls** Prevent product from entering drains. Do not allow material to contaminate ground water system.

**9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	Solid
<b>Appearance</b>	Powder
<b>Color</b>	Gray
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	11-13,5	(as aqueous solution)
Melting/freezing point		No information available
Boiling point/boiling range		No information available
Flash Point		No information available
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity		No information available
Water solubility	approx. 1.5 g/l	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties		No information available
Oxidizing Properties		No information available

**9.2 Other information**

<b>Volatile organic compounds (VOC) content</b>	None
<b>Bulk Density</b>	1.6 kg/l

## 10. Stability and Reactivity

### **10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

### **10.2 Chemical stability**

Stable under normal conditions.

### **10.3 Possibility of hazardous reactions**

None under normal processing.

### **10.4 Conditions to Avoid**

Avoid moisture.

### **10.5 Incompatible Materials**

Acids

### **10.6 Hazardous Decomposition Products**

None under normal use conditions.

## 11. Toxicological information

### **11.1 Information on toxicological effects**

#### **Acute toxicity**

#### **Product Information**

Product does not present an acute toxicity hazard based on known or supplied information at the Product level.

<b>Inhalation</b>	Irritating to respiratory system.
<b>Eye contact</b>	Irritating to eyes. Risk of serious damage to eyes.
<b>Skin contact</b>	Irritating to skin.
<b>Ingestion</b>	May cause irritation.

#### **Component Information**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Specific target organ systemic toxicity (single exposure)</b>	No information available.

<b>Specific target organ systemic toxicity (repeated exposure)</b>	No information available.
<b>Chronic toxicity</b>	No information available.
<b>Target Organs</b>	Eyes. Skin. Respiratory system. Lungs.
<b>Aspiration hazard</b>	No information available.

## 12. Ecological information

### 12.1 Toxicity

#### **Ecotoxicity effects**

Discharge to water will affect pH and harm aquatic organisms. Neutralization is normally necessary before waste water is discharged into water treatment plants

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

#### **Mobility in soil**

No information available.

#### **Mobility**

No information available.

### 12.5 Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

### 12.6 Other adverse effects.

No information available.

## 13. Disposal Considerations

### 13.1 Waste treatment methods

<b>Waste from residues / unused products</b>	If recycling is not practicable, dispose of in compliance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>EWC Waste Disposal No</b>	17 01 01, 15 01 05
<b>Other information</b>	According to the European Waste Catalog, Waste Codes are not product specific, but application specific.



## 14. Transport Information

**ADR**

14.1 UN	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

**IMDG**

14.1 UN	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special Provisions	None
14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code	No information available

**IATA**

14.1 UN	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

## 15. Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Germany <b>WGK Classification</b>	Hazardous to water/Class 1
Denmark - <b>MAL Factor</b>	00-4

Chemical Name	French RG number	Title
SILICA SAND 14808-60-7	RG 25	-
PORTLAND CEMENT Cr+VI<2ppm 65997-15-1	RG 8, RG 10	-

**European Union**

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Dir 94/33/EC on the protection of young people at work.

Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**International Inventories**

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies
<b>NZIoC</b>	Complies

**Legend**

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

**15.2 Chemical Safety Assessment**

No information available

**16. Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

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

<b>Prepared By</b>	Vandex Regulatory Affairs/Product Safety
<b>Revision Date</b>	06-Dec-2018
<b>Revision Note</b>	(M)SDS sections updated, 1, 8, 16.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**