# Safety Data Sheet

**Revision Date** 16-Feb-2021
**Version** 3

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

### 1.1 Product identifier

**Product name** VANDEX OS 5

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

**Recommended Use** Sealing cement

### 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

Tremco CPG Schweiz AG
Sihlbruggstrasse 144
CH-6340 Baar
Phone: +41 41 760 1212
Fax: +41 41 760 13 20

This telephone number is available during office hours only.

For further information, please contact: **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<br>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): +351 800 250 250 |
| **Spain** | Poison Information Service (ES): +34 91 562 04 20 |
| **Sweden** | Poisons Information Center (SV):+46 8 33 12 31 |
| **Switzerland** | Poison Center: Tel 145; +41 44 251 51 51 |

## 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
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
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, quarz 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 | 10 - 25 | 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

**General advice** 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.

**Inhalation** Move to fresh air. Call a physician if irritation develops or persists. If breathing is irregular or stopped, administer artificial respiration.

**Skin contact** Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

**Eye contact** 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.

**Ingestion** 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.

### 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 ($CO_2$), 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<br>14808-60-7 | | TWA: 0.15 mg/m³ | TWA: 0.1 mg/m³ | TWA: 0.3 mg/m³<br>TWA: 0.1 mg/m³ | TWA: 0.05 mg/m³ | TWA: 0.1 mg/m³ |
| PORTLAND CEMENT<br>Cr+VI<2ppm<br>65997-15-1 | | TWA: 5 mg/m³ | TWA: 10 mg/m³ | | TWA: 5 mg/m³<br>TWA: 1 mg/m³ | |
| **Chemical Name** | **Germany** | **Iceland** | **Ireland** | **Italy** | **Luxembourg** | **The Netherlands** |
| SILICA SAND<br>14808-60-7 | | TWA: 0.3 mg/m³<br>total dust<br>TWA: 0.1 mg/m³<br>respirable dust<br>Ceiling: 0.6 mg/m³<br>total dust<br>Ceiling: 0.2 mg/m³<br>respirable dust | TWA: 0.1 mg/m³<br>STEL: 0.3 mg/m³ | TWA: 0.025 mg/m³ | | TWA: 0.075 mg/m³ |
| PORTLAND CEMENT<br>Cr+VI<2ppm<br>65997-15-1 | TWA: 1.25 mg/m³ | TWA: 10 mg/m³<br>total dust<br>TWA: 5 mg/m³<br>respirable dust<br>Ceiling: 20 mg/m³<br>total dust<br>Ceiling: 10 mg/m³<br>respirable dust | TWA: 1 mg/m³<br>STEL: 3 mg/m³ | TWA: 1 mg/m³ | | |
| **Chemical Name** | **Norway** | **Portugal** | **Spain** | **Sweden** | **Switzerland** | **The United Kingdom** |
| SILICA SAND<br>14808-60-7 | TWA: 0.3 mg/m³<br>TWA: 0.1 mg/m³<br>STEL: 0.9 mg/m³<br>STEL: 0.3 mg/m³ | TWA: 0.025 mg/m³ | TWA: 0.1 mg/m³ | LLV: 0.1 mg/m³ | TWA: 0.15 mg/m³ | STEL: 0.3 mg/m³<br>TWA: 0.1 mg/m³ |
| PORTLAND CEMENT<br>Cr+VI<2ppm<br>65997-15-1 | | TWA: 10 mg/m³ | TWA: 4 mg/m³ | | TWA: 5 mg/m³ | STEL: 30 mg/m³<br>STEL: 12 mg/m³<br>TWA: 10 mg/m³<br>TWA: 4 mg/m³ |

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

| | |
|---|---|
| **Physical state** | Solid |
| **Appearance** | Powder |
| **Color** | Gray |
| **Odor** | Odorless |
| **Odor Threshold** | No information available |

| Property | Values | Remarks |
|---|---|---|
| **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

| | |
|---|---|
| **Volatile organic compounds (VOC) content** | None |

## 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.

| | |
|---|---|
| **Inhalation** | Irritating to respiratory system. |
| **Eye contact** | Irritating to eyes. Risk of serious damage to eyes. |
| **Skin contact** | Irritating to skin. |
| **Ingestion** | May cause irritation. |

**Component Information**

| | |
|---|---|
| **Skin corrosion/irritation** | No information available. |
| **Serious eye damage/eye irritation** | Causes serious eye damage. |
| **Respiratory or skin sensitization** | No information available. |
| **Germ cell mutagenicity** | No information available. |
| **Carcinogenicity** | No information available. |
| **Reproductive toxicity** | No information available. |
| **Specific target organ systemic toxicity (single exposure)** | No information available. |

| | |
|---|---|
| **Specific target organ systemic toxicity (repeated exposure)** | No information available. |
| **Target Organs** | Eyes. Skin. Respiratory system. Lungs. |
| **Aspiration hazard** | 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

| | |
|---|---|
| **Waste from residues / unused products** | If recycling is not practicable, dispose of in compliance with local regulations. |
| **Contaminated packaging** | Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| **EWC Waste Disposal No** | 17 01 01, 15 01 05 |
| **Other information** | 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 WGK Classification** WGK = 1 (self classification)

**Denmark - MAL Factor** 00-4

| Chemical Name | French RG number | Title |
|---|---|---|
| SILICA SAND<br>14808-60-7 | RG 25 | - |
| PORTLAND CEMENT Cr+VI<2ppm<br>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**

| | |
|---|---|
| **TSCA** | Complies |
| **EINECS/ELINCS** | Complies |
| **DSL** | Complies |
| **PICCS** | Complies |
| **ENCS** | Complies |
| **IECSC** | Complies |
| **AICS** | Complies |
| **KECL** | Complies |
| **NZIoC** | 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

| | |
|---|---|
| **Prepared By** | Vandex<br>Regulatory Affairs/Product Safety |
| **Revision Date** | 16-Feb-2021 |
| **Revision Note** | (M)SDS sections updated, 1, 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**