

Safety Data Sheet



Revision Date 10-Feb-2021
Version 4

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

1.1 Product identifier

Product name VANDEX BOHRLOCHSCHLÄMME / VANDEX INJECTION MORTAR (VIM)

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

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 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 |
| United Kingdom | 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 |
|-------------------------------|-----------|------------|----------|---|---------------------------|
| 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 |
| SILICA SAND | 238-878-4 | 14808-60-7 | 10 - 25 | no data available | 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. |
| Protection of First-aiders | 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 (CO₂), 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 |
|-----------------|----------------|--------------------------|---------------------------|---------|--------------------------|--------|
| PORTLAND CEMENT | | TWA: 5 mg/m ³ | TWA: 10 mg/m ³ | | TWA: 5 mg/m ³ | |

VANDEX BOHRLOCHSCHLÄMME / VANDEX INJECTION MORTAR (VIM)

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

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 |

| <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

| | |
|---|----------|
| Volatile organic compounds (VOC) content | None |
| Bulk Density | 1.0 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.

| | |
|---------------------|---|
| 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 | No information available. |
| 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 W GK Classification | Hazardous to water/Class 1 |
| Denmark - MAL Factor | 00-4 |

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

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 Regulatory Affairs/Product Safety |
| Revision Date | 10-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