

# Safety Data Sheet



Revision Date 18-Jun-2013  
Version 1

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

### 1.1 Product identifier

Product name VANDEX QUICKBINDER  
Synonyms 011

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

Recommended Use Refer to technical data sheet  
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 mbH  
Industriestrasse 19-23  
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  
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 Chemtrec: 1-800-424-9300 for US  
+1 703-527-3887 outside US

|                    |   |
|--------------------|---|
| <b>Europe</b>      | <b>112</b>  |
| <b>Austria</b>     | +43 1 406 43 43   |
| <b>Belgium</b>     | Poison center (BE): +32 70 245 245  |
| <b>Denmark</b>     | Poison Control Hotline (DK): +45 82 12 12 12  |
| <b>Finland</b>     | Poison Information Centre (FI): +358 9 471 977  |
| <b>France</b>      | ORFILA (FR): + 01 45 42 59 59   |
| <b>Germany</b>     | Poison Center Berlin (DE): +49 030 30686 790<br>Poison Center Nord: +49 551 19240 (24h available English / German)      |
| <b>Ireland</b>     | National Poisons Information Centre (IE): +353 1 8379964  |
| <b>Iceland</b>     | +354 543 2222   |
| <b>Italy</b>       | Poison Center, Milan (IT): +39 02 6610 1029   |
| <b>Luxembourg</b>  | 112   |
| <b>Netherlands</b> | National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals) |
| <b>Norway</b>      | Poisons Information (NO): + 47 22 591300  |

|                       |   |
|-----------------------|---|
| <b>Portugal</b>       | Poison Information Center (PT): +351 21 330 3284  |
| <b>Spain</b>          | Poison Information Service (ES): +34 91 562 04 20 |
| <b>Sweden</b>         | Poisons Information Center (SV):+46 8 33 12 31    |
| <b>Switzerland</b>    | Poison Center: Tel 145; +41 44 251 51 51          |
| <b>United Kingdom</b> | NHS Direct (UK): +44 (0) 845 46 47                |

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

This mixture is not classified as dangerous according to Directive 1999/45/EC

*For the full text of the R-phrases mentioned in this Section, see Section 16*

### 2.2 Label elements

#### Indication of danger

Not dangerous

#### R-phrases(s)

None

#### S-phrases(s)

None

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 - After contact with skin, wash immediately with plenty of .?

S24/25 - Avoid contact with skin and eyes

S37/39 - Wear suitable gloves and eye/face protection

### 2.3 Other hazards

This product is alkaline.

## 3. Composition/information on ingredients

### 3.1 Substances

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

### 3.2 Mixtures

**For the full text of the R-phrases mentioned in this Section, see Section 16**

**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> | When symptoms persist or in all cases of doubt seek medical advice.   |
| <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>Skin contact</b>   | Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.  |
| <b>Ingestion</b>      | Gently wipe or rinse the inside of the mouth with water. Drink plenty of water. Do not induce vomiting without medical advice.  |
| <b>Inhalation</b>     | Move to fresh air.  |

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

**Main Symptoms** No information available.

#### **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**

No information available.

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

##### **Hazardous Combustion Products**

None.

#### **5.3 Advice for firefighters**

##### **Special protective equipment for fire-fighters**

In the event of fire, wear self-contained breathing apparatus. Full protective flameproof clothing.

### **6. Accidental release measures**

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

Refer to protective measures listed in sections 7 and 8. Contaminated surfaces will be extremely slippery.

#### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

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

See Section 12 for additional information.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. When using, do not eat, drink or smoke. Ensure adequate ventilation.

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

Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end uses

#### Specific use(s)

Refer to technical data sheet.

#### Exposure scenario

No information available.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Exposure Limit Values

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

TWA:

Time weighted average

STEL:

Short term exposure limit

#### 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.

##### Hand Protection

Rubber/latex/neoprene or other suitable chemical resistant gloves.

##### Skin and body protection

Long sleeved clothing.

##### Respiratory protection

No special protective equipment required.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

#### Environmental Exposure Controls

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 | Liquid           |
| Appearance     | aqueous solution |
| Color          | colorless        |
| Odor           | Odorless         |

| <u>Property</u>                        | <u>Values</u>       | <u>Remarks • Methods</u> |
|--|---------------------|--------------------------|
| pH                                     | 11.5                |                          |
| Boiling point/boiling range            | 100 °C              |                          |
| Flash Point                            |                     |                          |
| Explosion Limits                       |                     |                          |
| upper                                  | no data available   |                          |
| lower                                  | no data available   |                          |
| Vapor pressure                         | no data available   |                          |
| Vapor density                          | Not Applicable      |                          |
| Relative density                       | Not Applicable      |                          |
| Water solubility                       | Miscible with water |                          |
| Partition coefficient: n-octanol/water | Not Applicable      |                          |
| Viscosity, kinematic                   | Not Applicable      |                          |
| Explosive properties                   | Not Applicable      |                          |
| Evaporation rate                       | Not Applicable      |                          |

### 9.2 Other information

|  |                   |
|--|-------------------|
| Volatile organic compounds (VOC) content | None              |
| Density                                  | approx. 1.15 kg/l |
| Bulk Density                             | Not Applicable    |
| Melting/freezing point                   |                   |

## 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

#### Hazardous Polymerization

None under normal processing.

### 10.4 Conditions to Avoid

None known based on information supplied.

### 10.5 Incompatible Materials

Acids. powdered metal.

### 10.6 Hazardous Decomposition Products

None under normal use conditions

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

|                            |  |
|----------------------------|--|
| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known or supplied information at the Product level. |
| <b>Inhalation</b>          | None under normal use conditions.  |
| <b>Eye contact</b>         | May cause irritation.  |
| <b>Skin contact</b>        | May cause irritation.  |
| <b>Ingestion</b>           | May cause irritation.  |

| Chemical Name             | LD50 Oral          | LD50 Dermal           | LC50 Inhalation |
|---------------------------|--------------------|-----------------------|-----------------|
| Silicic acid, sodium salt | 1153 mg/kg ( Rat ) | 4640 mg/kg ( Rabbit ) |                 |

#### Chronic toxicity

|  |                           |
|--|---------------------------|
| <b>Skin corrosion/irritation</b>                                   | No information available. |
| <b>Serious eye damage/eye irritation</b>                           | No information available. |
| <b>Sensitization</b>   | No information available. |
| <b>Germ Cell Mutagenicity</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>Aspiration hazard</b>   | No information available  |
| <b>Carcinogenicity</b>   | No information available  |

## 12. Ecological information

### 12.1 Toxicity

|                            |  |
|----------------------------|--|
| <b>Ecotoxicity effects</b> | Discharge to water will affect pH and harm aquatic organisms. Neutralization is normally necessary before waste water is discharged into water treatment plants. |
|----------------------------|--|

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates | Toxicity to microorganisms | Toxicity to other organisms |
|---------------|-------------------|------------------|---|----------------------------|-----------------------------|
|---------------|-------------------|------------------|---|----------------------------|-----------------------------|

|                           |  |   |                                   |  |  |
|---------------------------|--|---|-----------------------------------|--|--|
| Silicic acid, sodium salt |  | LC50: 96 h Lepomis macrochirus 301 - 478 mg/L<br>LC50: 96 h Brachydanio rerio 3185 mg/L semi-static | EC50: 96 h Daphnia magna 216 mg/L |  |  |
|---------------------------|--|---|-----------------------------------|--|--|

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

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

**12.6 Other adverse effects**

No information available.

## 13. Disposal considerations

**13.1 Waste treatment methods****Waste from residues / unused products**

Dispose of in accordance with local regulations.

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

**ADR** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

## 15. Regulatory information

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

**Germany WGK Classification** Hazardous to water/Class 1

**Denmark - MAL Factor** 00-4

**International Inventories**

**TSCA** Complies  
**EINECS/ELINCS** Complies

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|              |          |
|--------------|----------|
| <b>DSL</b>   | Complies |
| <b>PICCS</b> | Complies |
| <b>ENCS</b>  | Complies |
| <b>IECSC</b> | Complies |
| <b>AICS</b>  | Complies |
| <b>KECL</b>  | Complies |

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDL** - 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

"-" - Unknown. Not listed.

**15.2 Chemical Safety Assessment**

No information available

**16. Other information****Full text of R-phrases referred to under sections 2 and 3**

None

**Full text of H-Statements referred to under section 3**

None

**Prepared By**

Vandex  
Regulatory Affairs/Product Safety

**Revision Date**

18-Jun-2013

**Revision Note**

Not Applicable.

This material 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**