

# Safety Data Sheet



Revision Date 11-Feb-2020  
Version 5.01

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

### 1.1 Product identifier

Product name VANDEX MINERALIT

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

Recommended Use Sealant  
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

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): +351 800 250 250  
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

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

**2.2 Label elements**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

**Signal Word**

None

EUH208 - Contains (OLIGOMER) 1,6 Hexanediamine, N1,N1,N6,N6-tetramethyl-, propoxylated (> 1<4,5 mol PO) May produce an allergic reaction

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

P102 - Keep out of reach of children

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]

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

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P312 - Call a POISON CENTER or doctor if you feel unwell

**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**

Chemical Name	EC-No	CAS No.	Weight-%	Classification (1272/2008/EC)	REACH Registration Number
Silicic acid, potassium salt	215-199-1	1312-76-1	10 - 25	Skin Corr. 2 (H315):SCL C>=40 % Eye Dam. 2 (H319):SCL C>=40%	01-2119456888-17-XX XX
Isopropyl alcohol	200-661-7	67-63-0	1 - 2.5	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	01-2119457558-25-xxx x
(OLIGOMER) 1,6 Hexanediamine, N1,N1,N6,N6-tetramethyl-, propoxylated (> 1<4,5 mol PO)	-	158451-78-6	< 0.1	Skin Corr. 1A (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317)	01-2120756121-65

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>	If symptoms persist, call a physician. Remove contaminated clothing and shoes. Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
<b>Inhalation</b>	Move to fresh air. If inhaled, remove to fresh air. Call a physician or poison control center immediately.
<b>Skin contact</b>	Rinse immediately with plenty of water and seek medical advice. Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Call a physician or poison control center immediately.
<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. Call a physician or poison control center immediately.
<b>Ingestion</b>	Do NOT induce vomiting. Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.

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

<b>Symptoms</b>	Causes burns.
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#### **4.3 Indication of any immediate medical attention and special treatment needed**

<b>Notes to physician</b>	Treat symptomatically.
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### **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. Use personal protective equipment.

### **6. Accidental Release Measures**

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

##### **Personal precautions**

Ensure adequate ventilation, especially in confined areas. Refer to protective measures listed in sections 7 and 8. Use personal protective equipment. Contaminated surfaces will be extremely slippery. Evacuate personnel to safe areas.

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

For personal protection see section 8.

#### **6.2 Environmental precautions**

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Should not be released into the environment. 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** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

### 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 vapors/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. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

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

#### **Storage Conditions**

Ensure adequate ventilation. Keep container tightly closed in a dry and well-ventilated place. Protect from frost.

German storage class LGK 8B

### 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
Isopropyl alcohol 67-63-0		STEL 800 ppm STEL 2000 mg/m <sup>3</sup> TWA: 200 ppm TWA: 500 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 500 mg/m <sup>3</sup> STEL: 400 ppm STEL: 1000 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 490 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 500 mg/m <sup>3</sup> STEL: 250 ppm STEL: 620 mg/m <sup>3</sup>	STEL: 400 ppm STEL: 980 mg/m <sup>3</sup>
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
Isopropyl alcohol 67-63-0	TWA: 200 ppm TWA: 500 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 490 mg/m <sup>3</sup> S* Ceiling: 400 ppm Ceiling: 980 mg/m <sup>3</sup>	TWA: 200 ppm STEL: 400 ppm Skin	STEL: 400 ppm STEL: 983 mg/m <sup>3</sup> TWA: 200 ppm TWA: 492 mg/m <sup>3</sup>		
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
Isopropyl alcohol 67-63-0	TWA: 100 ppm TWA: 245 mg/m <sup>3</sup> STEL: 150 ppm STEL: 306.25 mg/m <sup>3</sup>	STEL: 400 ppm TWA: 200 ppm	STEL: 400 ppm STEL: 1000 mg/m <sup>3</sup> TWA: 200 ppm TWA: 500 mg/m <sup>3</sup>	LLV: 150 ppm LLV: 350 mg/m <sup>3</sup> STV: 250 ppm STV: 600 mg/m <sup>3</sup>	STEL: 400 ppm STEL: 1000 mg/m <sup>3</sup> TWA: 200 ppm TWA: 500 mg/m <sup>3</sup>	STEL: 500 ppm STEL: 1250 mg/m <sup>3</sup> TWA: 400 ppm TWA: 999 mg/m <sup>3</sup>

TWA:	Time weighted average
STEL:	Short term exposure limit
LLV:	Exposure Limit Values
STV:	Short Term Value
<b>Derived No Effect Level (DNEL)</b>	No information available
<b>Oral</b>	Isopropyl alcohol (Long term systemic-effects): 26 mg/kg/bw/d (Consumer)
<b>Dermal</b>	Isopropyl alcohol (Long term systemic-effects): 319 mg/kg/bw/d (Consumer) // (worker): 888 mg/kg/bw/d
<b>Precautionary Statements - Inhalation</b>	Isopropyl alcohol (Long term systemic-effects): 89 mg/m <sup>3</sup> (Consumer) // (Worker): 500 mg/m <sup>3</sup>
<b>Predicted No Effect Concentration (PNEC)</b>	No information available
<b>Fresh Water</b>	140.9 mg/l (Isopropyl alcohol)
<b>Sea Water</b>	140.9 mg/l (Isopropyl alcohol)
<b>Soil</b>	28 mg/kg (Isopropyl alcohol)
<b>8.2 Exposure controls</b>	
<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal protective equipment</b>	
<b>Eye/Face Protection</b>	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.
<b>Hand Protection</b>	Rubber/latex/neoprene or other suitable chemical resistant gloves. Impervious butyl rubber 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.
<b>Skin and body protection</b>	Long sleeved clothing. Chemical resistant apron. Wear impervious gloves and/or clothing if needed to prevent contact with the material.
<b>Respiratory protection</b>	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
<b>Recommended Filter type:</b>	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Hygiene measures</b>	When using, do not eat, drink or smoke. Remove and wash contaminated clothing and gloves, including the inside, before re-use.
<b>Environmental Exposure Controls</b>	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>	Liquid
<b>Appearance</b>	aqueous solution
<b>Color</b>	Colorless
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	11.4	No information available
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>	100 °C / 212 °F	
<b>Flash Point</b>		No information available
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
upper flammability limit		No information available
lower flammability limit		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>		No information available
<b>Water solubility</b>	Miscible with water	
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		No information available
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

### 9.2 Other information

<b>Volatile organic compounds (VOC) content</b>	~1%
<b>Bulk Density</b>	approx. 1.14 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

Protect from frost, heat and sunlight.

### 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

#### Product Information

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>	None under normal use conditions.
<b>Skin contact</b>	None under normal use conditions.
<b>Ingestion</b>	None under normal use conditions.

#### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropyl alcohol	5840 mg/kg ( Rat )	= 13,900 mg/kg ( Rabbit )	= 72600 mg/m <sup>3</sup> ( Rat ) 4 h

<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</b>	No information available.

**toxicity (single exposure)**

**Specific target organ systemic toxicity (repeated exposure)** No information available.

**Chronic toxicity** No information available.

**Target Organs** No information available.

**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

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Silicic acid, potassium salt		LC50: 96 h Lepomis macrochirus 301 - 478 mg/L LC50: 96 h Brachydanio rerio 3185 mg/L semi-static	
Isopropyl alcohol	EC50: 96 h Desmodemus subspicatus 1000 mg/L EC50: 72 h Desmodemus subspicatus 1000 mg/L	LC50: 96 h Pimephales promelas 9640 mg/L flow-through LC50: 96 h Pimephales promelas 11130 mg/L static LC50: 96 h Lepomis macrochirus 1400000 µg/L	EC50: 48 h Daphnia magna 13299 mg/L

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

Chemical Name	log Pow
Isopropyl alcohol	0.05

### 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>Other information</b>	According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

## 14. Transport Information

### ADR

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

### IMDG

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

### IATA

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

## 15. Regulatory information

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

#### National regulatory information

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

Chemical Name	French RG number	Title
Isopropyl alcohol 67-63-0	RG 84	-

#### 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>	-
<b>NZIoC</b>	-

**Legend**

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European 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  
**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**

H314 - Causes severe skin burns and eye damage  
 H315 - Causes skin irritation  
 H317 - May cause an allergic skin reaction  
 H318 - Causes serious eye damage  
 H319 - Causes serious eye irritation  
 H336 - May cause drowsiness or dizziness  
 H225 - Highly flammable liquid and vapor

**Prepared By** Vandex  
 Regulatory Affairs/Product Safety

**Revision Date** 11-Feb-2020

**Revision Note** (M)SDS sections updated, 3, 11, 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**