Safety Data Sheet

Revision Date 11-Feb-2021
Version 5.02

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

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
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-XXXX
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-xxxx
(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

General advice 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.

Inhalation Move to fresh air. If inhaled, remove to fresh air. Call a physician or poison control center immediately.

Skin contact 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.

Eye contact 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.

Ingestion 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

Symptoms Causes burns.

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. 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/m³ TWA: 200 ppm TWA: 500 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ STEL: 400 ppm STEL: 1000 mg/m³	TWA: 200 ppm TWA: 490 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ STEL: 250 ppm STEL: 620 mg/m³	STEL: 400 ppm STEL: 980 mg/m³
Chemical Name	**Germany**	**Iceland**	**Ireland**	**Italy**	**Luxembourg**	**The Netherlands**
Isopropyl alcohol 67-63-0	TWA: 200 ppm TWA: 500 mg/m³	TWA: 200 ppm TWA: 490 mg/m³ S* Ceiling: 400 ppm Ceiling: 980 mg/m³	TWA: 200 ppm STEL: 400 ppm Skin	STEL: 400 ppm STEL: 983 mg/m³ TWA: 200 ppm TWA: 492 mg/m³		
Chemical Name	**Norway**	**Portugal**	**Spain**	**Sweden**	**Switzerland**	**The United**

						Kingdom
Isopropyl alcohol 67-63-0	TWA: 100 ppm TWA: 245 mg/m³ STEL: 150 ppm STEL: 306.25 mg/m³	STEL: 400 ppm TWA: 200 ppm	STEL: 400 ppm STEL: 1000 mg/m³ TWA: 200 ppm TWA: 500 mg/m³	LLV: 150 ppm LLV: 350 mg/m³ STV: 250 ppm STV: 600 mg/m³	STEL: 400 ppm STEL: 1000 mg/m³ TWA: 200 ppm TWA: 500 mg/m³	STEL: 500 ppm STEL: 1250 mg/m³ TWA: 400 ppm TWA: 999 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

Oral Isopropyl alcohol (Long term systemic-effects): 26 mg/kg/bw/d (Consumer)

Dermal Isopropyl alcohol (Long term systemic-effects): 319 mg/kg/bw/d (Consumer) // (worker): 888 mg/kg/bw/d

Precautionary Statements - Inhalation Isopropyl alcohol (Long term systemic-effects): 89 mg/m³ (Consumer) // (Worker): 500 mg/m³

Predicted No Effect Concentration (PNEC) No information available

Fresh Water 140.9 mg/l (Isopropyl alcohol)

Sea Water 140.9 mg/l (Isopropyl alcohol)

Soil 28 mg/kg (Isopropyl alcohol)

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. 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.

Skin and body protection Long sleeved clothing. Chemical resistant apron. Wear impervious gloves and/or clothing if needed to prevent contact with the material.

Respiratory protection 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. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

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	Liquid
Appearance	aqueous solution
Color	Colorless
Odor	Odorless
Odor Threshold	No information available

Property	**Values**	**Remarks**
pH	11.4	
Melting/freezing point		No information available
Boiling point/boiling range	100 °C / 212 °F	
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	Miscible with water	
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	~1%
Bulk Density	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.

Inhalation	None under normal use conditions.
Eye contact	None under normal use conditions.
Skin contact	None under normal use conditions.
Ingestion	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/m³ (Rat) 4 h

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	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 Desmodesmus subspicatus 1000 mg/L EC50: 72 h Desmodesmus 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

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.
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 Hazardous to water/Class 1

Denmark - MAL Factor 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

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

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
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-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