Safety Data Sheet

Revision Date 11-Feb-2021
Version 4

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

1.1 Product identifier

Product name VANDEX ANTISULFAT / VANDEX ANTI SULPHATE / VANDEX ANTI SULFATE

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

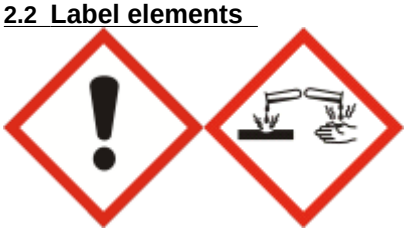
2. Hazards identification

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, quarz 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	50 - 75	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	no data available
Barium chloride (dihydrate)	-	10326-27-9	1 - 2.5	Eye Irrit. 2 (H319) Acute Tox. 3 (H301) Acute Tox. 4 (H332)	01-2119502547-42-xxx

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 (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
PORTLAND CEMENT Cr+VI<2ppm 65997-15-1		TWA: 5 mg/m³	TWA: 10 mg/m³		TWA: 5 mg/m³ TWA: 1 mg/m³	
Barium chloride (dihydrate) 10326-27-9	TWA: 0.5 mg/m³ Ba	STEL 2 mg/m³ TWA: 0.5 mg/m³	TWA: 0.5 mg/m³	TWA: 0.5 mg/m³	TWA: 0.5 mg/m³	TWA: 0.5 mg/m³

Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
PORTLAND CEMENT Cr+VI<2ppm 65997-15-1	TWA: 1.25 mg/m³	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust Ceiling: 20 mg/m³ total dust Ceiling: 10 mg/m³ respirable dust	TWA: 1 mg/m³ STEL: 3 mg/m³	TWA: 1 mg/m³		
Barium chloride (dihydrate) 10326-27-9	TWA: 0.5 mg/m³	TWA: 0.5 mg/m³ Ceiling: 1 mg/m³	TWA: 0.5 mg/m³ STEL: 1.5 mg/m³	TWA: 0.5 mg/m³		TWA: 0.5 mg/m³

Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
PORTLAND CEMENT Cr+VI<2ppm 65997-15-1		TWA: 10 mg/m³	TWA: 4 mg/m³		TWA: 5 mg/m³	STEL: 30 mg/m³ STEL: 12 mg/m³ TWA: 10 mg/m³ TWA: 4 mg/m³
Barium chloride (dihydrate) 10326-27-9	TWA: 0.5 mg/m³ STEL: 1.5 mg/m³	TWA: 0.5 mg/m³	TWA: 0.5 mg/m³		STEL: 4 mg/m³ TWA: 0.5 mg/m³	TWA: 0.5 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 Bariumchloride-Dihydrate (Long term exposure - systemic effects): 3.7 mg/kg/bw/d (Consumer)

Dermal Bariumchloride-Dihydrate (long term exposure - systemic effects): 25.9 mg/kg/bw/d (Consumer) // 43.2 mg/kg/bw/d (worker)

Precautionary Statements - Inhalation Bariumchloride-Dihydrate (Long term exposure - systemic effects): 2.6 mg/m³ (Consumer) // 8.8 mg/m³ (Worker)

Predicted No Effect Concentration (PNEC) No information available

Fresh Water Bariumchloride-Dihydrate: 0.174 mg/l

Fresh water sediment Bariumchloride-Dihydrate: 908 mg/kg

Soil Bariumchlorid-Diydrate 314.9 mg/kg

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	None
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
Bulk Density	1,3 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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Barium chloride (dihydrate)	100 mg/kg (Rat)	> 2000 mg/kg (Rat)	1.1 mg/l (Rat)

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.
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 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	-

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
H319 - Causes serious eye irritation
H301 - Toxic if swallowed
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H315 - Causes skin irritation
H318 - Causes serious eye damage

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