

Safety Data Sheet



Revision Date 01-May-2013
Version 1

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

1.1 Product identifier

Product name VANDEX CONCRETE GREY
Synonyms 004

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

Recommended Use Refer to technical data sheet.

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

1.4 Emergency telephone number

Europe	112
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
Italy	Poison Center, Milan (IT): +39 02 6610 1029
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 21 330 3284
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	NHS Direct (UK): +44 (0) 845 46 47

2. Hazards identification

2.1 Classification of the substance or mixture

The preparation is classified as dangerous in accordance with Directive 1999/45/EC

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

Xi;R37/38 - Xi;R41

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

2.2 Label elements



Indication of danger

Xi - Irritant

R-phrase(s)

R41 - Risk of serious damage to eyes

R37/38 - Irritating to respiratory system and skin

S-phrase(s)

S 2 - Keep out of the reach of children

S22 - Do not breathe dust

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

S46 - If swallowed, seek medical advice immediately and show this container or label

S24/25 - Avoid contact with skin and eyes

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

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 (67/548/EEC)	Classification (1272/2008/EC)	REACH Registration Number
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PORTLAND CEMENT Cr+VI<2ppm	266-043-4	65997-15-1	50 - 75	Xi;R37/38 Xi;R41	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	no data available
SILICA SAND	238-878-4	14808-60-7	25 - 50	-		no data available

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

General advice	Show this material 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.
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.
Skin contact	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
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.
Inhalation	Move to fresh air. Call a physician if irritation develops or persists. If breathing is irregular or stopped, administer artificial respiration.
Protection of First-aiders	Use personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms	Eye irritation. Irritating to respiratory system and skin.
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4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	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 (CO₂), 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

No hazardous decomposition products are known.

5.3 Advice for firefighters**Special protective equipment for fire-fighters**

In the event of fire, wear self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

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.

6.3 Methods and materials for containment and 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 12 for additional information.

7. Handling and storage

7.1 Precautions for 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.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

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**

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
PORTLAND CEMENT Cr+VI<2ppm 65997-15-1		TWA: 5 mg/m ³	TWA: 10 mg/m ³		TWA: 5 mg/m ³ TWA: 1 mg/m ³	
SILICA SAND 14808-60-7		TWA: 0.15 mg/m ³ TWA: 4 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: 0.2 mg/m ³	TWA: 0.1 mg/m ³
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands

VANDEX CONCRETE GREY

PORTLAND CEMENT Cr+VI<2ppm 65997-15-1	TWA: 5 mg/m ³		TWA: 10 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³		
SILICA SAND 14808-60-7		TWA: 0.3 mg/m ³ TWA: 0.1 mg/m ³ Ceiling: 0.6 mg/m ³ Ceiling: 0.2 mg/m ³	TWA: 0.1 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: 10 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

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

Effective dust mask.

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	light gray
Odor	Odorless

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	11-13.5	
Boiling point/boiling range		
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	approx. 1.5 g/l	
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
Bulk Density	1.3 kg/l
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

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
SILICA SAND	500 mg/kg (Rat)		

Chronic toxicity

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Sensitization	No information available.
Target Organ Effects	No information available.
Germ Cell Mutagenicity	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.
Aspiration hazard	No information available
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen

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.
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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

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 Catalogue, Waste Codes are not product specific, but application specific.

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
DSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	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**

R41 - Risk of serious damage to eyes

R37/38 - Irritating to respiratory system and skin

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 01-May-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