

Date of issue: 01/11/2017

Triton VANDEX SUPER

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name VANDEX SUPER
Synonyms 001

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

Triton Systems

Units 3-5 Crayford Commercial Centre, Greyhound Way
Crayford, Kent DA1 4HF
Tel: 01322 318830 Fax: 01322 524017
Info@tritonsystems.co.uk - www.tritonsystems.co.uk

1.4 Emergency telephone number

Emergency number: +44 (0) 1322 318830 (0900 – 1700 UK time)

2. HAZARD 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:

Hazard pictograms (CLP)



Signal word (CLP)

Danger

Hazard statements: (CLP)

H315: Causes skin irritation
H318: Causes serious eye damage
H335: May cause respiratory irritation

Precautionary statements:

P102: Keep out of reach of children
P261: Avoid breathing dust
P280: Wear protective glove/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 CENTRE 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 CENTRE or doctor if you feel unwell.

Contains PORTLAND CEMENT Cr+VI<2ppm

Special labelling 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, quartz 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
SILICA SAND	238-878-4	14808-60-7	25-50	No data available	No data available

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/vapours/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. Irritation 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 (CO₂), 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 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

- 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 material 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 vapours 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 reach of children.
- German storage class LGK 13

7.3 Specific end use(s)

- Specific uses** 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/m ³	TWA: 10 mg/m ³		TWA: 5mg/m ³ TWA: 1 mg/m ³	
SILICA SAND 14808-60-7		TWA: 0.15 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.3 mg/m ³	TWA: 0.05 mg/m ³	TWA: 0.1 mg/m ³
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
PORTLAND CEMENT Cr+VI<2ppm 65997-15-1	TWA: 5 mg/m ³	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust Ceiling: 20 mg/m ³ total dust Ceiling: 10 mg/m ³ respirable dust	TWA: 1 mg/m ³ STEL: 0.3 mg/m ³	TWA: 1mg/m ³		
SILICA SAND 14808-60-7		TWA: 0.3 mg/m ³ total dust TWA: 0.1 mg/m ³ respirable dust Ceiling: 0.6 mg/m ³ total dust Ceiling: 0.2 mg/m ³ respirable dust	TWA: 0.1 mg/m ³ STEL: 0.3 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: 4 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:
STEL:
LLV:
STV:

Time weighted average
Short term exposure limit
Exposure Limit Values
Short Term Value

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. Wear chemical resistant 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
Colour:	Grey
Odour:	Odourless
Odour 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
Vapour pressure		

(Continued.....)

**9. PHYSICAL AND CHEMICAL PROPERTIES continued)**

Vapour 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
Oxidising properties		No information available

9.2 Other information

Volatile organic compounds (VOC) content	None
Bulk density	1.25 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.**

Product information	Product does not present 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

Skin Corrosion/irritation	No information available
Serious eye damage/eye irritation	No information available
Respiratory or skin sensitisation	No information available
Germ cell mutagenicity	No information available
Carcinogenicity	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
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. Neutralisation 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

The substance is not considered to be persistent, bioaccumulating nor toxic (PBT). The 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 practical, 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

No information available

MARPOL 73/78 and the IBC Code

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

(Continued.....)

**15. REGULATORY INFORMATION Continued)**

Chemical Name	French RG Number	Title
PORTLAND CEMENT Cr+VI<2ppm 65997-15-1	RG 8, RG 10	-
SILICA SAND 14808-60-7	RG 25	-

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.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (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**

H335 – May cause respiratory irritation

H315 – Causes skin irritation

H318 – Causes serious eye damage

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information provided is designed only as guidance for safe use, processing, handling, storage, transport, release and disposal. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for use in combination with any other materials or in any process, unless specified in this safety data sheet.