

Safety data sheet
according to 1907/2006/EC, Article 31

Printing Date: 18.10.2022

Version Number: 3.0 (replaces version 1.0)

Revision Date: 18.10.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Trade name: **BETEC 405 HOZ (Deys-NL)**

UFI: WW70-R0A4-1002-PE0R

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

Relevant identified uses of the substance or mixture: Grouting Materials

Identified uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet:

Manufacturer/supplier:

Deys Betontechniek Nederland BV
Gelreweg 5
NL - 3843 AN Harderwijk

Tel.: +31 / (0)341 / 41 51 48 (24 uur per dag)

info@deys.nl

1.4 Emergency telephone number: +31 (0) 30 / 274 88 88

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Depending on the type of handling and use, airborne respirable crystalline silica may be generated. Prolonged and/or massive inhalation of respirable silica dust may cause silicosis. Occupational exposure to respirable crystalline silica should be monitored and controlled.

This product should be handled with care to avoid dust generation.

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

STOT SE 3 H335 May cause respiratory irritation.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS05 GHS07

Signal word Danger

Hazard-determining components of labelling:

Portland cement

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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/doctor.

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Additional information:

Avoid breathing dust.

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

2.3 Other hazards:**Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures**Description:**

Mixture of substances listed below with non-hazardous additions.

For further information, please refer to the product technical data sheet.

Dangerous components:

CAS: 14808-60-7 EINECS: 238-878-4 Reg.nr.: 01-2120770509-45-XXXX	Quartz (SiO ₂)	substance with a Community workplace exposure limit	50-<100%
CAS: 65997-15-1 EINECS: 266-043-4	Portland cement	Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335	25-<30%
CAS: 13463-67-7 EINECS: 236-675-5	Titanium dioxide	substance with a Community workplace exposure limit	1-<3%

SECTION 4: First aid measures

4.1 Description of first aid measures:**General information:** Get medical advice/attention if you feel unwell.**After inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.**After skin contact:**

Take off immediately all contaminated clothing, and wash immediately with plenty of soap and water.

IF exposed or concerned: Get medical advice/attention.

After eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed: Risk of serious damage to eyes.**4.3 Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media:**Suitable extinguishing agents:** CO₂, powder.**5.2 Special hazards arising from the substance or mixture:** No further relevant information available.

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5.3 Advice for firefighters:**Protective equipment:** Wear self-contained respiratory protective device.**Additional information:** Collect contaminated fire fighting water separately. It must not enter the sewage system.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.**6.3 Methods and material for containment and cleaning up:**

Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling:**

Do not eat, drink or smoke when using this product.

Store in a well-ventilated place. Keep container tightly closed.

Keep only in original packaging.

Use only outdoors or in a well-ventilated area.

Information about fire - and explosion protection: No special measures required.**7.2 Conditions for safe storage, including any incompatibilities:****STORAGE****Information about storage in one common storage facility:** No special measures required.**Further information about storage conditions:**

Store in a dry place.

Keep cool.

7.3 Specific end use(s): No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters:****Ingredients with limit values that require monitoring at the workplace:****14808-60-7 Quartz (SiO₂)**WEL | Long-term value: 0.1 mg/m³**65997-15-1 Portland cement**WEL | Long-term value: 10* 4** mg/m³
*inhalable dust **respirable dust**13463-67-7 Titanium dioxide**WEL | Long-term value: 10* 4** mg/m³
*total inhalable **respirable**DNELs****65997-15-1 Portland cement**Inhalative | DNEL long term local eff | 10 mg/m³ (workers)

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13463-67-7 Titanium dioxide

Oral	DNEL long term syst.	700 mg/kg bw/d (general population)
Inhalative	DNEL long term syst.	10 mg/m ³ (workers)

PNECs**13463-67-7 Titanium dioxide**

PNEC freshwater	>1 mg/l
PNEC marine water	0.127 mg/l
PNEC sediment (FW)	≥1,000 mg/kg dw
PNEC sediment (MW)	≥100 mg/kg dw
PNEC soil	100 mg/kg

Additional information: Based on the lists valid at the date of SDS creation.

8.2 Exposure controls:

Appropriate engineering controls No further data; see item 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European and national legislation.

EN 143.

Hand protection

Protective gloves.

EN 374.

Material of gloves:

Nitrile rubber.

PVC gloves.

Penetration time of glove material:

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

Eye/face protection

Safety glasses with side shield protection.

EN 166.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:**GENERAL INFORMATION**

Physical state

Solid.

Colour:

According to product specification.

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Odour:	Characteristic.
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	Not determined.
Flammability Limits :	
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Method:	
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH at 20 °C	11
VISCOSITY	
Kinematic viscosity	Not applicable.
Dynamic:	Not applicable.
Solubility	
Water:	Insoluble.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density at 20 °C:	1.4 g/cm ³
Vapour density:	Not determined.
Particle characteristics	See item 3.

9.2 Other information:

Appearance:	
Form:	Solid.
Important information on protection of health and environment, and on safety:	
Auto-ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Molecular weight	Not determined.

Information with regard to physical hazard classes

Explosives	Not applicable.
Flammable gases	Not classified.
Aerosols	Not classified.
Oxidising gases	Not classified.
Gases under pressure	Not classified.
Flammable liquids	Not classified.
Flammable solids	Not classified.
Self-reactive substances and mixtures	Not classified.
Pyrophoric liquids	Not classified.
Pyrophoric solids	Not classified.
Self-heating substances and mixtures	Not classified.
Substances and mixtures, which emit flammable gases in contact with water	Not classified.
Oxidising liquids	Not classified.
Oxidising solids	Not classified.
Organic peroxides	Not classified.
Corrosive to metals	Not classified.
Desensitised explosives	Not classified.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Stable under normal conditions.
No further relevant information available.

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

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10.3 Possibility of hazardous reactions

No dangerous reactions known.
No further relevant information available.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

ACUTE TOXICITY Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:**13463-67-7 Titanium dioxide**

Oral	LD50	>5,000 mg/kg (rat)
Inhalative	LC50, 4h	6.82 mg/l (rat)

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards**Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity:**

AQUATIC TOXICITY No further relevant information available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects:**ADDITIONAL ECOLOGICAL INFORMATION**

General notes: Must not reach sewage water or drainage ditch undiluted or unneutralised.

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SECTION 13: Disposal considerations**13.1 Waste treatment methods:****Recommendation:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles.

European waste catalogue:

17 00 00	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01 00	concrete, bricks, tiles and ceramics
17 01 01	concrete

UNCLEANED PACKAGING

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information**14.1 UN number or ID number**
ADR, IMDG, IATA

Not Regulated

14.2 UN proper shipping name
ADR, IMDG, IATA

Not Regulated

14.3 Transport hazard class(es)ADR, ADN, IMDG, IATA
Class

Not Regulated

14.4 Packing group
ADR, IMDG, IATA

Not Regulated

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user:

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not Regulated

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

See Section 2 for hazard identification.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

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Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Date of previous version: 18.10.2022**Version number of previous version:** 1.0**The first date of preparation:** 18.10.2022**Number of revision times and the latest revision date:** 3.0 / 18.10.2022

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