Safety Data Sheet
According to 1272/2008/EC (CLP)

Printing Date: 22.10.2015 **Version Number: 1.0** **Revision Date: 02.09.2019**

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

1.1 Product identifier:

Trade name: ***BETEC 302 HOZ licht grijs (Deys-NL)***

1.2 Relevant identified uses of the substance or mixture, and uses advised against: 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 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.
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.
P302+P352	IF ON SKIN: Wash with plenty of water.
P337+P313	If eye irritation persists: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.

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Additional information: Avoid breathing 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 Chemical characterization: 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	Quartz (SiO2)	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	30-50%
CAS: 13463-67-7 EINECS: 236-675-5	Titanium dioxide	substance with a Community workplace exposure limit	1.0-2.0%
CAS: 1317-65-3 EINECS: 215-279-6	Calcium carbonate	substance with a Community workplace exposure limit	1.0-2.0%

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

General information: Get medical advice/attention if you feel unwell.

After inhalation: No special measures required.

After skin contact: Wash with plenty of soap and water.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed:
No further relevant information available.

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 or water spray. Fight larger fires with water spray.

5.2 Special hazards arising from the substance or mixture: No further relevant information available.

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.

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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:
Avoid release to the environment.

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.

Dispose contaminated material as waste according to item 13.

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:
Risk of serious damage to eyes.

Avoid contact with skin.

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

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

Keep only in original container.

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

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:	
14808-60-7 Quartz (SiO2)	
WEL	Long-term value: 0.3 mg/m³ Silica, respirable crystalline
65997-15-1 Portland cement	
WEL	Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

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13463-67-7 Titanium dioxide	
WEL	Long-term value: 10* 4** mg/m³ *total inhalable **respirable
1317-65-3 Calcium carbonate	
OWL (8H)	Short-term value: 4 mg/m³

DNELs		
13463-67-7 Titanium dioxide		
Oral	DNEL long term syst.	700 mg/kg bw/d (general population)
Inhalative	DNEL long term syst.	10 mg/m3 (workers)

PNECs	
13463-67-7 Titanium dioxide	
PNEC freshwater	> 1 mg/l (-)
PNEC marine water	0.127 mg/l (-)
PNEC sediment (FW)	≥1000 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 MSDS creation.

8.2 Exposure controls:

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, eg. by isolating personnel from dusty areas. Remove and wash soiled clothing.

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures:

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

Respiratory protection:

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

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.).

Protection of hands:

Alkaline resistant gloves

Material of gloves: Nitrile rubber.

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 protection:

Safety glasses with side shield protection.

Body protection:

Use personal protective equipment as required.

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Take off contaminated clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

GENERAL INFORMATION	
Appearance:	
Form:	Solid.
Colour:	According to product specification.
Odour:	Characteristic.
Odour threshold:	Not determined.
pH-value (~) at 20 °C:	11
Change in conditions:-	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Not determined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not determined.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
EXPLOSION LIMITS	
Lower:	Not determined.
Upper:	Not determined.
VOC Content:	Not determined.
Vapour pressure:	Not applicable.
Density at 20 °C:	1.4 g/cm³
Relative density:	Not determined.
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in/Miscibility with:-	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
VISCOSITY	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Molecular weight	Not applicable.
9.2 Other information:	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under normal conditions.

10.2 Chemical stability:

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

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.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects:

ACUTE TOXICITY

LD/LC50 values relevant for classification:		
13463-67-7 Titanium dioxide		
Oral	LD50	> 5000 mg/kg (rat)
Inhalative	LC50, 4h	>6.82 mg/l (rat)
1317-65-3 Calcium carbonate		
Oral	LD50	6450 mg/kg (rat)
	LC50, 96h	10.000 mg/l (fish)

Primary irritant effect:-

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/irritation
Causes serious eye damage.

Ingestion:

May be harmful if swallowed and enters airways.
May cause respiratory irritation.

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

Additional toxicological information:		
13463-67-7 Titanium dioxide		
Inhalative	NOAEC	10 mg/m³ (rat)

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.

SECTION 12: Ecological information

12.1 Toxicity:

AQUATIC TOXICITY	
1317-65-3 Calcium carbonate	
EC50, 48h	1.000 mg/l (daphnia magna)
EC50, 72h	10.000 mg/l (algae)

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.

ADDITIONAL ECOLOGICAL INFORMATION

General notes: Not known to be hazardous to water.

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

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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 **ADR, ADN, IMDG, IATA**	Not Regulated
14.2 UN proper shipping name **ADR, ADN, 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: **Marine pollutant:**	No.
14.6 Special precautions for user:	Not Regulated
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	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.

National regulations:

Other regulations, limitations and prohibitive regulations: All components EINECS listed or exempt.

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

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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.

Department issuing MSDS:

Other Information:

In June 2003, SCOEL, the EU Scientific Committee on Occupational Exposure Limits concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis.

There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis. Therefore preventing the onset of silicosis will also reduce the cancer risk.

The first date of preparation: 13.07.2015

Number of revision times and the latest revision date: 1.0 / 13.07.2015