

Revision date: 30-Mar-2020 Version: 4 Print date: 31-Mar-2020

## Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

#### 1.1. Product identifier

Trade name/designation:

**BETOCEM 332 (Component B)**

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

Use of the substance/mixture:

Curing agent

#### 1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

**Deys Betontechniek Nederland BV**

Gelreweg 5

3840AH Harderwijk

NETHERLANDS

**Telephone:** 0031341415148

**E-mail:** info@deys.nl

**Website:** www.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

Classification according to Regulation (EC) No 1272/2008 [CLP]:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

#### 2.3. Other hazards

Other adverse effects:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### SECTION 3: Composition / information on ingredients

#### 3.2. Mixtures

Additional information:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General information:

No special measures are necessary.

Following inhalation:

Provide fresh air. In case of inhaling spray mist, consult a doctor immediately and show him packing or label.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion:

Rinse mouth immediately and drink plenty of water. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

First aider: Pay attention to self-protection!

#### 4.2. Most important symptoms and effects, both acute and delayed

No data available

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>), Dry extinguishing powder, Water spray jet, Fight larger fires with water jet or alcohol-resistant foam.

#### Unsuitable extinguishing media:

Excess water

### 5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Pyrolysis products, toxic, toxic gases and vapors

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Wear personal protection equipment (refer to section 8). Do not breathe vapour/aerosol. Keep away unprotected persons. Avoid contact with eyes and skin.

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### 6.3. Methods and material for containment and cleaning up

#### For cleaning up:

Take up mechanically.

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### 6.5. Additional information

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

##### Advices on safe handling:

Causes serious eye irritation.

##### Fire prevent measures:

No special measures are necessary.

##### Environmental precautions:

Do not allow to enter into surface water or drains.

#### Advices on general occupational hygiene

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs. Take off immediately all contaminated clothing.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions:

Keep container tightly closed in a cool place.

#### Requirements for storage rooms and vessels:

Keep preferably in the original container.

**Storage class:** 13 - Non-combustible solids that cannot be assigned to any of the above storage classes

#### Further information on storage conditions:

Keep locked up and out of reach of children.

### 7.3. Specific end use(s)

#### Recommendation:

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available

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## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Provide washing facilities in the work area.

### 8.2.2. Personal protection equipment



#### Eye/face protection:

Eye glasses with side protection

#### Skin protection:

Tested protective gloves must be worn

#### Respiratory protection:

Usually no personal respiratory protection necessary.

Respiratory protection necessary at: aerosol or mist formation

#### Other protection measures:

Wear suitable protective clothing.

### 8.2.3. Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state: solid

Colour: white

Odour: odourless

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

Violent reaction with: Oxidising agent, strong , Acid

### 10.4. Conditions to avoid

No decomposition if used according to specifications

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

#### Further information

hygroscopic.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Additional information:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.



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## 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

#### Waste code product:

##### Remark:

Waste codes/waste designations according to EWC/AVV

#### Waste code packaging:

##### Remark:

Waste codes/waste designations according to EWC/AVV

### Waste treatment options

#### Appropriate disposal / Product:

Dispose of waste according to applicable legislation.

#### Appropriate disposal / Package:

Consult the appropriate local waste disposal expert about waste disposal.

### 13.2. Additional information

Do not allow product to reach ground water, water bodies or sewage system.

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/ RID)	Inland waterway craft (ADN)	Sea transport (IMDG) (ADN)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN-No.</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant			
<b>14.4. Packing group</b>			
not relevant			
<b>14.5. Environmental hazards</b>			
not relevant			
<b>14.6. Special precautions for user</b>			
not relevant			

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU legislation

No data available

#### 15.1.2. National regulations

☐ [NL] National regulations

#### Restrictions of occupation

Observe employment restrictions under the law for the protection of young people at work (§ 22 JArbSchG).

Observe employment restrictions for pregnant and nursing mothers according to the 'mother protection guideline' (§ 4 und § 5 MuSchArbV).

#### Water hazard class (WGK)

##### WGK:

1 - schwach wassergefährdend

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**Description:**

Classification according to VwVwS, Annex 4.

**Technische Regeln für Gefahrstoffe**

TRGS 500 "Protective measures"

TRGS 510 "Storage of hazardous materials in transportable containers"

**Berufsgenossenschaftliche Vorschriften (BGV)**

Berufsgenossenschaftliche Regeln (BGR): 190 "Use of respirators"

**15.2. Chemical Safety Assessment**

For this mixture a chemical safety assessment was not carried out.

**SECTION 16: Other information**

**16.1. Indication of changes**

No data available

**16.2. Abbreviations and acronyms**

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

AOX: Adsorbable organic halogen compounds

ATE: Acute Toxicity Estimates

CMR: carcinogenic, mutagenic, toxic for reproduction

DMEL: Derived Minimal Effect Level

DNEL: Derived No-Effect Level

EC: Effective concentration

ECHA: European Chemicals Agency

EWC: European Waste-Catalogue

IATA-DGR: International Air Transport Association - Dangerous Goods Regulations

ICAO-TI: International Civil Aviation Organisation - Technical instructions

IMDG: International Maritime Dangerous Goods Code

LC: Lethal concentration

LD: Lethal dose

MARPOL: International Convention for the Prevention of Pollution From Ships

PBT: Persistent, bioaccumulative, toxic

PNEC: Predicted No-Effect Concentration

PNEL: Predicted No-Effect Level

RID: International Rule for Transport of Dangerous Substances by Railway

SVHC: Substance of very high concern

VOC: Volatile Organic Compounds

vPvB: very persistent and very bioaccumulative

VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe

WGK: water hazard class

**16.3. Key literature references and sources for data**

Safety data sheets of raw material suppliers.

BAM: Datenbank GEFAHRGUT der Bundesanstalt für Materialforschung und -prüfung

eChemPortal: The Global Portal to Information on Chemical Substances

GESTIS: Stoffdatenbank des Instituts für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA)

GisBAU: Gefahrstoffinformationssystem der Berufsgenossenschaft Bau

GisChem: Gefahrstoffinformationssystem der Berufsgenossenschaft Chemie

GSBL: Gemeinsamer Stoffdatenpool Bund / Länder

**16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**16.5. Relevant R-, H- and EUH-phrases (Number and full text)**

No data available

**16.6. Training advice**

No data available

**16.7. Additional information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.