

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.11.2023

Version number 2 (replaces version 1)

Revision: 10.11.2023

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

### · 1.1 Product identifier

· Trade name: **946 Europlan Hybrid Repair**

· Article number: 946

· UFI: C7M2-D0C9-D003-FP1R

· 1.2 Relevant identified uses of the substance or mixture and uses advised against  
*No further relevant information available.*

· Application of the substance / preparation *Repair mortar*

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

· Manufacturer/Supplier:

*Forbo Eurocol Nederland B.V.*

*Industrieweg 1-2*

*NL-1521 NA Wormerveer Holland*

*Tel. +31 75 6271600 - Fax +31 75 6283564*

*E-mail address: info.eurocol@forbo.com*

*Website: www.eurocol.com*

### · 1.4 Emergency telephone number:

*In case of emergency please contact the Dutch National Poison Control, telephone number: 0031-(0)88-755 8000 (This number is only accessible to the physician treating the patient and only in case of accidental poisoning).*

## SECTION 2: Hazards identification

### · 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

*Skin Irrit. 2 H315 Causes skin irritation.*

*Eye Dam. 1 H318 Causes serious eye damage.*

*Skin Sens. 1 H317 May cause an allergic skin reaction.*

*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 clinker*

· Hazard statements

*H315 Causes skin irritation.*

*H318 Causes serious eye damage.*

(Contd. on page 2)

GB

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**Trade name: 946 Europlan Hybrid Repair**

(Contd. of page 1)

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P261 Avoid breathing dust.

P280 Wear protective gloves.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine disrupting properties.

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Calciumsulfate (anhydrite and half-hydrate), fillers and redispersable polymers.

· **Dangerous components:**

CAS: 65997-15-1 EINECS: 266-043-4	Portland cement clinker ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	>10-25%
CAS: 1305-62-0 EINECS: 215-137-3	calcium dihydroxide ⚠ Eye Dam. 1, H318	<1%
CAS: 9004-34-6 EINECS: 232-674-9	Cellulose substance with a Community workplace exposure limit	<1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:**

In case of unconsciousness place patient stably in side/recovery position for transportation.

· **After skin contact:**

Immediately remove contaminated clothing, wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **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.

GB

(Contd. on page 3)

## Safety data sheet

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(Contd. of page 2)

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** *Not applicable.*
- **5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*
- **5.3 Advice for firefighters**
- **Protective equipment:** *No special measures required.*
- **Additional information** *Product itself does not burn.*

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** *Not required.*
- **6.2 Environmental precautions:** *No special measures required.*
- **6.3 Methods and material for containment and cleaning up:**  
*Dispose contaminated material as waste according to item 13.*  
*Ensure adequate ventilation.*
- **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**  
*Ensure sufficient ventilation and avoid formation of dust. Do not inhale dust. Avoid contact with eyes and skin.*
- **Information about fire - and explosion protection:** *No special measures required.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *No special requirements.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *Store in cool, dry conditions in well sealed packaging.*
- **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:**

#### **65997-15-1 Portland cement clinker**

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*inhalable dust \*\*respirable dust

#### **1305-62-0 calcium dihydroxide**

WEL Short-term value: 4\* mg/m<sup>3</sup>  
Long-term value: 5 1\* mg/m<sup>3</sup>  
\*resprable fraction

#### **9004-34-6 Cellulose**

WEL Short-term value: 20\* mg/m<sup>3</sup>  
Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*inhalable dust \*\*respirable

(Contd. on page 4)

## Safety data sheet

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Version number 2 (replaces version 1)

Revision: 10.11.2023

Trade name: **946 Europlan Hybrid Repair**

(Contd. of page 3)

· **Additional information:** *The lists valid during manufacture were used as basis.*

· **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.*

*Immediately remove all soiled and contaminated clothing*

*Wash hands before breaks and at the end of work.*

*Avoid contact with the eyes and skin.*

*Do not inhale dust.*

· **Respiratory protection:**

*Use suitable respiratory protective device (filter P2) in case of insufficient ventilation.*

· **Hand protection**



*Protective gloves*

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Selection of the glove material is dependant on the penetration times, rates of diffusion and degradation.*

· **Material of gloves**

*Use chemical resistant gloves classified under EN374. Examples of preferred glove materials that form a barrier: butyl rubber or chloroprene rubber. If prolonged or repeated contact can occur, gloves with a protection class of 6 (breakthrough time greater than 480 minutes) are recommended according to EN 374. Ask your glove supplier to advise you on the right type and thickness.*

· **Penetration time of glove material**  $\geq 480$  Minutes

· **For prolonged contact gloves made of the following materials are suitable:**

*Chloroprene and butylrubber.*

· **Eye/face protection**



*Tightly sealed goggles*

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Colour:**

*Beige*

· **Odour:**

*Weak*

· **Odour threshold:**

*Not determined.*

· **Melting point/freezing point:**

*Undetermined.*

· **Boiling point or initial boiling point and boiling range**

*Undetermined.*

· **Flammability**

*Not determined.*

· **Lower and upper explosion limit**

· **Lower:**

*Not determined.*

· **Upper:**

*Not determined.*

· **Flash point:**

*Not applicable.*

· **Decomposition temperature:**

*Not determined.*

· **pH at 20 °C**

*>11 (4000g/ltr)*

· **Viscosity:**

· **Kinematic viscosity**

*Not applicable.*

(Contd. on page 5)

## Safety data sheet

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Trade name: **946 Europlan Hybrid Repair**

(Contd. of page 4)

· <b>Dynamic:</b>	<i>Not applicable.</i>
· <b>Solubility</b>	
· <b>water:</b>	<i>Insoluble.</i>
· <b>Partition coefficient n-octanol/water (log value)</b>	<i>Not determined.</i>
· <b>Vapour pressure:</b>	<i>Not applicable.</i>
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	<i>1.08 g/cm<sup>3</sup></i>
· <b>Relative density</b>	<i>Not determined.</i>
· <b>Vapour density</b>	<i>Not applicable.</i>
· <b>Particle characteristics</b>	<i>See item 3.</i>
<b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	<i>Powder</i>
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Auto-ignition temperature:</b>	<i>Product is not self-igniting.</i>
· <b>Explosive properties:</b>	<i>Product does not present an explosion hazard.</i>
· <b>Solvent content:</b>	
· <b>Solids content:</b>	<i>100.0 %</i>
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	<i>Not applicable.</i>
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	<i>Void</i>
· <b>Flammable gases</b>	<i>Void</i>
· <b>Aerosols</b>	<i>Void</i>
· <b>Oxidising gases</b>	<i>Void</i>
· <b>Gases under pressure</b>	<i>Void</i>
· <b>Flammable liquids</b>	<i>Void</i>
· <b>Flammable solids</b>	<i>Void</i>
· <b>Self-reactive substances and mixtures</b>	<i>Void</i>
· <b>Pyrophoric liquids</b>	<i>Void</i>
· <b>Pyrophoric solids</b>	<i>Void</i>
· <b>Self-heating substances and mixtures</b>	<i>Void</i>
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	<i>Void</i>
· <b>Oxidising liquids</b>	<i>Void</i>
· <b>Oxidising solids</b>	<i>Void</i>
· <b>Organic peroxides</b>	<i>Void</i>
· <b>Corrosive to metals</b>	<i>Void</i>
· <b>Desensitised explosives</b>	<i>Void</i>

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** *No further relevant information available.*
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
*No decomposition if used according to specifications.*
- **10.3 Possibility of hazardous reactions** *No dangerous reactions known.*
- **10.4 Conditions to avoid** *No further relevant information available.*
- **10.5 Incompatible materials:** *No further relevant information available.*

(Contd. on page 6)

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Revision: 10.11.2023

Trade name: **946 Europlan Hybrid Repair**

(Contd. of page 5)

- **10.6 Hazardous decomposition products:** *No dangerous decomposition products known.*

## 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:**

### 1305-62-0 calcium dihydroxide

Oral	LD50	7,340 mg/kg (rat)
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### 7778-18-9 calcium sulphate, natural

Oral	LD50	>2,000 mg/kg (rat)
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- **Skin corrosion/irritation**

*Causes skin irritation.*

- **Serious eye damage/irritation**

*Causes serious eye damage.*

- **Respiratory or skin sensitisation**

*Product can cause irritation on the longer term dermatitis. This impact is caused by alkalinity of the product in water and on mechanical damage of the skin.*

- **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:**

### 7778-18-9 calcium sulphate, natural

LC50/96h	>79 mg/l (fish)
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EC50/48 h	>79 mg/l (daphnia)
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EC50/72 h	>79 mg/l (algae)
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- **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.*

(Contd. on page 7)

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(Contd. of page 6)

· **12.7 Other adverse effects**· **Additional ecological information:**· **General notes:**

*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**· **European waste catalogue**

HP4	Irritant - skin irritation and eye damage
HP13	Sensitising

· **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** *Void*· **14.2 UN proper shipping name**· **ADR, IMDG, IATA** *Void*· **14.3 Transport hazard class(es)**· **ADR, ADN, IMDG, IATA**· **Class** *Void*· **14.4 Packing group**· **ADR, IMDG, IATA** *Void*· **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 applicable.*· **UN "Model Regulation":***Void*

### SECTION 15: Regulatory information

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

(Contd. on page 8)

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(Contd. of page 7)

· **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.*

· **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.*

· **National regulations:**

· **Waterhazard class:**

*Water hazard class 1 (Self-assessment): slightly hazardous for water.*

*Water hazard class 2 (Self-assessment): hazardous for water.*

· **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.*

*H317 May cause an allergic skin reaction.*

*H318 Causes serious eye damage.*

*H335 May cause respiratory irritation.*

· **Department issuing SDS: R&D department**

· **Contact: Ing. T.W. Breeuwer**

· **Version number of previous version: 1**

· **Abbreviations and acronyms:**

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Skin Sens. 1: Skin sensitisation – Category 1*

*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

· **\* Data compared to the previous version altered.**