

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.11.2023

Version number 5 (replaces version 4)

Revision: 13.11.2023

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

#### 1.1 Product identifier

Trade name: **991 Europlan Direct Rapid**

Article number: 9913

UFI: M3R2-50E5-500D-718N

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

Application of the substance / preparation *Self-levelling compound*

#### 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.*

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*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.**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P404 Store in a closed container.**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:** *Mixture of cement, fillers and additives.***· Dangerous components:**

CAS: 65997-15-1	Portland cement clinker	>1-5%
EINECS: 266-043-4	☞ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	

**· 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****· 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.***· After swallowing:** *Rinse mouth with water and then drink plenty of water, consult physician immediately.***· Information for doctor:** *Product reacts with moisture into alkaline mixture.***· 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:** *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.*

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### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
*Avoid formation of dust. Avoid contact with eyes and skin.*
- **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*
- **6.3 Methods and material for containment and cleaning up:** *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**  
*Prevent formation of dust.*  
*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
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- **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*  
*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

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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

· **Body protection: Protective work clothing**

## SECTION 9: Physical and chemical properties

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

· **General Information**

· <b>Colour:</b>	Grey
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Boiling point or initial boiling point and boiling range</b>	Undetermined.
· <b>Flammability</b>	Not determined.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Flash point:</b>	Not applicable.
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Not applicable.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not applicable.
· <b>Dynamic:</b>	Not applicable.
· <b>Solubility</b>	
· <b>water:</b>	Slightly soluble.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	1.2 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Particle characteristics</b>	See item 3.

· **9.2 Other information**

· **Appearance:**

· **Form:** Powder

· **Important information on protection of health and environment, and on safety.**

· **Auto-ignition temperature:** Product is not self-igniting.

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· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	0.0 %
· Solids content:	100.0 %
· Change in condition	
· Evaporation rate	Not applicable.

### · Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

## 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.*
- 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:

**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.*

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- **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**

· <b>Endocrine disrupting properties</b>
<i>None of the ingredients is listed.</i>

## SECTION 12: Ecological information

- **12.1 Toxicity**

· <b>Aquatic toxicity:</b>						
<b>7778-18-9 calcium sulphate, natural</b>						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 2px;">LC50/96h</td> <td style="padding: 2px;">&gt;79 mg/l (fish)</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">EC50/48 h</td> <td style="padding: 2px;">&gt;79 mg/l (daphnia)</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">EC50/72 h</td> <td style="padding: 2px;">&gt;79 mg/l (algae)</td> </tr> </table>	LC50/96h	>79 mg/l (fish)	EC50/48 h	>79 mg/l (daphnia)	EC50/72 h	>79 mg/l (algae)
LC50/96h	>79 mg/l (fish)					
EC50/48 h	>79 mg/l (daphnia)					
EC50/72 h	>79 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.*
- **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:**  
*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**

- **Recommendation**

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

- **Uncleaned packaging:**

- **Recommendation:** *Disposal must be made according to official regulations.*

- **Recommended cleansing agents:** *Warm water, if necessary together with cleansing agents.*

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#### SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, 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: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	Not classified as hazardous under transport regulations.
· 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 |
| <i>None of the ingredients is listed.</i>                                                                                              |
- REGULATION (EU) 2019/1148
- |                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|
| · Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)) |
| <i>None of the ingredients is listed.</i>                                                                        |
- |                                               |
|-----------------------------------------------|
| · Annex II - REPORTABLE EXPLOSIVES PRECURSORS |
| <i>None of the ingredients is listed.</i>     |
- |                                                  |
|--------------------------------------------------|
| · Regulation (EC) No 273/2004 on drug precursors |
| <i>None of the ingredients is listed.</i>        |
- |                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------|
| · Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors |
| <i>None of the ingredients is listed.</i>                                                                                                |
- National regulations:
  - Waterhazard class:  
*Water hazard class 1 (Self-assessment): slightly hazardous for water.*  
*Water hazard class 2 (Self-assessment): hazardous for water.*

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· **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*

· **Date of previous version:** *13.11.2023*

· **Version number of previous version:** *4*

· **Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*ICAO: International Civil Aviation Organisation*

*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.**

GB