

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 21.11.2023



Version number 5 (replaces version 4)

Revision: 21.11.2023

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

- **1.1 Product identifier**
- Trade name: **945 Europlan Solid**
- **Article number:** 9453
- **UFI:** E4M2-V0NW-200M-SAFP
- **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

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 5 (replaces version 4)

Revision: 21.11.2023

Trade name: **945 Europlan Solid**

(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.**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	>5-10%
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:** *Generally the product does not irritate the skin.***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.*

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 21.11.2023

Version number 5 (replaces version 4)

Revision: 21.11.2023

Trade name: **945 Europlan Solid**

(Contd. of page 2)

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:**
Pick up mechanically, dry vacuum powder.
- **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 ³ *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:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Use suitable respiratory protective device (filter P2) in case of insufficient ventilation.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 21.11.2023

Version number 5 (replaces version 4)

Revision: 21.11.2023

Trade name: **945 Europlan Solid**

(Contd. of page 3)

· 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

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Colour:	Grey
· 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
· Viscosity:	
· Kinematic viscosity	Not applicable.
· Dynamic:	Not applicable.
· Solubility	
· water:	Slightly soluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not applicable.
· Density and/or relative density	
· Density at 20 °C:	1.2 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Particle characteristics	See item 3.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 21.11.2023

Version number 5 (replaces version 4)

Revision: 21.11.2023

Trade name: **945 Europlan Solid**

(Contd. of page 4)

- **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.
- **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.

(Contd. on page 6)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 5 (replaces version 4)

Revision: 21.11.2023

Trade name: **945 Europlan Solid**

(Contd. of page 5)

· LD/LC50 values relevant for classification:
7778-18-9 calcium sulphate, natural
Oral LD50 >2,000 mg/kg (rat)

- **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
<i>None of the ingredients is listed.</i>

SECTION 12: Ecological information

- **12.1 Toxicity**

· Aquatic toxicity:
7778-18-9 calcium sulphate, natural
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.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 21.11.2023

Version number 5 (replaces version 4)

Revision: 21.11.2023

Trade name: **945 Europlan Solid**

(Contd. of page 6)

- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*
- **Recommended cleansing agents:** *Warm water, if necessary together with cleansing agents.*

SECTION 14: Transport information

- | | |
|---|---|
| · 14.1 UN number or ID number | |
| · ADR, ADN, IMDG, IATA | <i>Void</i> |
| · 14.2 UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | <i>Void</i> |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | <i>Void</i> |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | <i>Void</i> |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | <i>No</i> |
| · 14.6 Special precautions for user | <i>Not applicable.</i> |
| · 14.7 Maritime transport in bulk according to IMO instruments | <i>Not applicable.</i> |
| · Transport/Additional information: | <i>Not classified as hazardous under transport regulations.</i> |
| · UN "Model Regulation": | <i>Void</i> |

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.

- **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 1111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 5 (replaces version 4)

Revision: 21.11.2023

Trade name: **945 Europlan Solid**

(Contd. of page 7)

- **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*
- **Date of previous version:** *10.11.2023*
- **Version number of previous version:** *4*
- **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.**

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