



BE SURE. BUILD SURE.

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## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 23.09.2023

Version number 22 (replaces version 21)

Revision: 23.09.2023

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

#### 1.1 Product identifier

Trade name **Nafufill R3 FM**

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

No further relevant information available.

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

Application of the substance / the mixture **Ready-mixed mortar**

Manufacturer/Supplier: **MC-Bauchemie Müller GmbH & Co. KG**  
Am Kruppwald 1-8  
D-46238 Bottrop  
Tel.: +49(0)2041-101-0  
Fax.: +49(0)2041-101-400  
E-Mail: [info@mc-bauchemie.de](mailto:info@mc-bauchemie.de)

**MC-Bauchemie AG**  
Hagackerstr. 10  
CH-8953 Dietikon  
Tel.: +44-7400510  
Fax : +44-7400533

Informing department: [msds@mc-bauchemie.de](mailto:msds@mc-bauchemie.de)

#### 1.4 Emergency telephone number:

Tel.: +49 / (0)700 24112112 (MCR)  
Tel.: +48612864565

### 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**

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- **Hazard statements**
  - Calciumsuifoaluminat-Klinker
  - calcium dihydroxide
  - Flugasche Portlandzement
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H317 May cause an allergic skin reaction.
  - H335 May cause respiratory irritation.
- **Precautionary statements**
  - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P310 Immediately call a POISON CENTER/doctor.
  - P321 Specific treatment (see on this label).
  - P362+P364 Take off contaminated clothing and wash it before reuse.
  - P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

|                                      |  |          |
|--------------------------------------|--|----------|
| CAS: 65997-15-1<br>EINECS: 266-043-4 | Portland cement<br>Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335                                  | ≥20-≤30% |
| EC number: 934-133-9                 | Calciumsuifoaluminat-Klinker<br>Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335 | ≥10-<20% |
| CAS: 1305-62-0<br>EINECS: 215-137-3  | calcium dihydroxide<br>Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335                              | ≥1-<2.5% |
| CAS: 68475-76-3                      | Flugasche Portlandzement<br>Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335                         | ≥1-<2.5% |

- **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** Supply fresh air.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Seek medical treatment.

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- **After swallowing** *Rinse out mouth and then drink plenty of water.  
Seek medical treatment.*
- **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** *Use fire fighting measures that suit the environment.*
- **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.*

### 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:** *Collect mechanically.*
- **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 information on disposal.*

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** *Prevent formation of dust.*
- **Information about protection against explosions and fires:** *No special measures required.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** *No special requirements.*
- **Information about storage in one common storage facility:** *Not required.*

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- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class** 13
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Components with critical values that require monitoring at the workplace:

##### 65997-15-1 Portland cement

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

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

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

#### DNELs

##### 65997-15-1 Portland cement

|            |      |                           |
|------------|------|---------------------------|
| Inhalative | DNEL | 1 mg/m <sup>3</sup> (ArL) |
|------------|------|---------------------------|

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

|            |      |                           |
|------------|------|---------------------------|
| Inhalative | DNEL | 1 mg/m <sup>3</sup> (ArL) |
|------------|------|---------------------------|

#### PNECs

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

|      |                      |
|------|----------------------|
| PNEC | 3 mg/l (BEL)         |
|      | 0.32 mg/l (Mew)      |
|      | 0.49 mg/l (Suw)      |
| PNEC | 1080 mg/kg dwt (Bod) |

· **Additional information:** The lists that were valid during the compilation were used as basis.

### 8.2 Exposure controls

#### Appropriate engineering controls

No further data; see section 7.

#### Individual protection measures, such as personal protective equipment

#### General protective and hygienic measures

Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.

#### Breathing equipment:

Wear respiratory protection in case of insufficient ventilation.  
The selection of respirators (EN 14387) must be based on the known or anticipated exposure concentrations, the hazards of the product and the occupational exposure limits (section 8.1) of the respirator in question.  
Particle filter PP1: Inert substance; P2, P3: Hazardous substances  
Provide adequate ventilation. This can be achieved by local

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- **Hand protection**  
exhaust ventilation or general exhaust ventilation.  
(EN 689 - Methods for determining inhalation exposure)  
This applies especially at the mixing or stirring place.  
If this is not sufficient to keep the concentration below the occupational exposure limit, provide respiratory protection.  
Protective gloves.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
After use of gloves apply skin-cleaning agents and skin cosmetics.  
Strong gloves  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
Breakthrough time: > = 480 min  
The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.
- **Eye/face protection**  
Safety glasses  
Tightly sealed safety glasses.
- **Body protection:**  
Protective work clothing.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Colour:** Grey
- **Smell:** Characteristic
- **Melting point/freezing point:** Not determined
- **Boiling point or initial boiling point and boiling range** Not determined  
Not applicable
- **Flash point:** Not applicable
- **pH at 20 °C** 11.4
- **Viscosity:**
- **Kinematic viscosity** Not applicable.
- **dynamic:** Not applicable.
- **Solubility**
- **Water:** Insoluble
- **Steam pressure:** Not applicable.  
Not applicable
- **Density and/or relative density**
- **Density** Not determined

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### · 9.2 Other information

#### · Appearance:

#### · Form:

Powder

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

#### · Self-inflammability:

Product is not selfigniting.

#### · Explosive properties:

Product is not explosive.

#### · 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

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#### 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 that are relevant for classification:**

##### 65997-15-1 Portland cement

|            |          |                     |
|------------|----------|---------------------|
| Dermal     | LD50     | 2000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 5 mg/l (rat)        |

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

|      |      |                  |
|------|------|------------------|
| Oral | LD50 | 7340 mg/kg (rat) |
|------|------|------------------|

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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**

|          |                            |         |
|----------|----------------------------|---------|
| 128-37-0 | 2,6-Di-tert-butyl-p-cresol | List II |
|----------|----------------------------|---------|

#### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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** For information on endocrine disrupting properties see section 11.
- **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 bodies or sewage system.

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### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

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

#### · **Uncleaned packagings:**

· **Recommendation:**                      *Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.*

### 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.*

#### · **UN "Model Regulation":**

*Void*

### SECTION 15: Regulatory information

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

*No further relevant information available.*

#### · 15.2 Chemical safety assessment:

*A Chemical Safety Assessment has not been carried out.*

### SECTION 16: Other information

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

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· **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 data specification sheet:**

Environment protection department.

· **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)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

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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