



BE SURE. BUILD SURE.

Page 1/10

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

Printing date 12.08.2023

Version number 18



Revision: 12.08.2023

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

- **Product identifier**
- **Trade name** ombran FG rapid
- **Relevant identified uses of the substance or mixture and uses advised against** *No further relevant information available.*
- **Application of the substance / the mixture** *Filling mortar*
- **Details of the supplier of the safety data sheet**
- **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*

*MC-Bauchemie AG
Hagackerstr. 10
CH-8953 Dietikon
Tel.: +44-7400510
Fax : +44-7400533*
- **Informing department:** *msds@mc-bauchemie.de*

2 Hazards identification

- **Classification of the substance or mixture**
*Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
STOT SE 3 H335 May cause respiratory irritation.*
- **Label elements**
- **GHS label elements** *The product is classified and labelled according to the Globally Harmonised System (GHS).*
- **Hazard pictograms**

GHS05 GHS07
- **Signal word** *Danger*
- **Hazard-determining components of labelling:** *Portland cement
Flue dust, portland cement
calcium oxide*
- **Hazard statements** *Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.*

(Contd. on page 2)

AE



BE SURE. BUILD SURE.

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

Printing date 12.08.2023

Version number 18

Revision: 12.08.2023

Trade name ombran FG rapid

(Contd. of page 1)

- **Precautionary statements** *Avoid breathing dust/fume/gas/mist/vapours/spray.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
Store in a well-ventilated place. Keep container tightly closed.*
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

3 Composition/information on ingredients

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

· **Dangerous components:**

65997-15-1	Portland cement <i>Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335</i>	30-60%
14808-60-7	Quartz (SiO ₂)	30-60%
1317-65-3	Calcium carbonate <i>Acute Tox. 5, H303; Acute Tox. 5, H313</i>	<10%
68475-76-3	Flue dust, portland cement <i>Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335</i>	≥1-<3%
1305-78-8	calcium oxide <i>Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335; Acute Tox. 5, H303; Acute Tox. 5, H313</i>	≥1-<2.5%
21645-51-2	aluminium hydroxide <i>Acute Tox. 5, H303</i>	<2.5%

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

4 First aid measures

- **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.*
- **After swallowing** *Rinse out mouth and then drink plenty of water.
Seek medical treatment.*

(Contd. on page 3)

AE



BE SURE. BUILD SURE.

Page 3/10

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

Printing date 12.08.2023

Version number 18

Revision: 12.08.2023

Trade name ombran FG rapid

(Contd. of page 2)

- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Collect mechanically.
- **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.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Prevent formation of dust.
- **Information about protection against explosions and fires:** No special measures required.
- **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.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class** 13

(Contd. on page 4)

AE



BE SURE. BUILD SURE.

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

Printing date 12.08.2023

Version number 18

Revision: 12.08.2023

Trade name ombran FG rapid

· **Specific end use(s)** No further relevant information available.

(Contd. of page 3)

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters**

· **Components with critical values that require monitoring at the workplace:**

65997-15-1 Portland cement

PEL (USA)	Long-term value: 50 mppcf or 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	Long-term value: 1* mg/m ³ E; *as respirable fraction, A4
WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust

14808-60-7 Quartz (SiO₂)

PEL (USA)	Long-term value: 0.05* mg/m ³ *resp. dust; 30mg/m ³ /%SiO ₂ +2
REL (USA)	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV (USA)	Long-term value: 0.025* mg/m ³ *respirable particulate matter, A2
BOELV (European Union)	Long-term value: 0.1* mg/m ³ *respirable fraction

1317-65-3 Calcium carbonate

WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *inhalable dust; **respirable
---------------------	---

69012-64-2 amorphous silica (fume)

TLV (USA)	TLV withdrawn
-----------	---------------

1305-78-8 calcium oxide

PEL (USA)	Long-term value: 5 mg/m ³
REL (USA)	Long-term value: 2 mg/m ³
TLV (USA)	Long-term value: 2 mg/m ³
IOELV (European Union)	Short-term value: 4 mg/m ³ Long-term value: 1 mg/m ³ Respirable fraction
WEL (Great Britain)	Short-term value: 4* mg/m ³ Long-term value: 2 1* mg/m ³ *respirable fraction

(Contd. on page 5)



BE SURE. BUILD SURE.

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

Printing date 12.08.2023

Version number 18

Revision: 12.08.2023

Trade name ombran FG rapid

(Contd. of page 4)

21645-51-2 aluminium hydroxide

REL (USA)	Long-term value: 2 mg/m ³ as Al
WEL (Great Britain)	Long-term value: 2 mg/m ³

· DNELs

65997-15-1 Portland cement

Inhalative DNEL 1 mg/m³ (ArL)

1317-65-3 Calcium carbonate

Oral	DNEL	6.1 mg/kg bw/Tag (ArL)
Inhalative	DNEL	10 mg/m ³ (ArL)

1305-78-8 calcium oxide

Inhalative DNEL 1 mg/m³ (ArL)

21645-51-2 aluminium hydroxide

Oral	DNEL	6.89 mg/kg bw/Tag (ArL)
Inhalative	DNEL	3.59 mg/m ³ (ArL)

· PNECs

1317-65-3 Calcium carbonate

PNEC 100 mg/l (Sewage Treatment Plant)

1305-78-8 calcium oxide

PNEC	2.27 mg/l (BEL)
	0.24 mg/l (Mew)
	0.37 mg/l (Suw)
PNEC	817.4 mg/kg dwt (Bod)

21645-51-2 aluminium hydroxide

PNEC 20 mg/l (Kla)

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

· Exposure controls

· 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:

In case of brief exposure or low pollution or when application is performed at confined area with adequate mechanical ventilation meeting local authority requirements, use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· Protection of hands:

Protective gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
After use of gloves apply skin-cleaning agents and skin cosmetics.

(Contd. on page 6)



BE SURE. BUILD SURE.

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

Printing date 12.08.2023

Version number 18

Revision: 12.08.2023

Trade name ombran FG rapid

(Contd. of page 5)

- **Material of gloves** *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** *The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **Eye protection:** *Safety glasses*
Tightly sealed safety glasses.
- **Body protection:** *Protective work clothing.*

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

- **Form:** *Powder*
- **Colour:** *Grey*
- **Smell:** *Odourless*

· **pH-value:** *Not applicable.*

· Change in condition

- **Melting point/freezing point:** *Not determined*
- **Initial boiling point and boiling range:** *2230 °C*

· **Flash point:** *Not applicable*

· **Self-inflammability:** *Product is not selfigniting.*

· **Explosive properties:** *Product is not explosive.*

· **Steam pressure at 1732 °C:** *13.5 hPa*

· **Density** *Not determined*

· Solubility in / Miscibility with

· **Water:** *Unsoluble*

· Viscosity:

- **dynamic:** *Not applicable.*
- **kinematic:** *Not applicable.*

· Other information

No further relevant information available.

AE

(Contd. on page 7)



BE SURE. BUILD SURE.

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

Printing date 12.08.2023

Version number 18

Revision: 12.08.2023

Trade name ombran FG rapid

(Contd. of page 6)

10 Stability and reactivity

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

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

· **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)

1317-65-3 Calcium carbonate

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

1305-78-8 calcium oxide

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2500 mg/kg (rabbit)

21645-51-2 aluminium hydroxide

Oral	LD50	>2000 mg/kg (rat)
------	------	-------------------

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant for skin and mucous membranes.
- **Serious eye damage/irritation** Strong irritant with the danger of severe eye injury.
- **Respiratory or skin sensitisation** No sensitizing effect known.
- **Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant

AE

(Contd. on page 8)



BE SURE. BUILD SURE.

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

Printing date 12.08.2023

Version number 18

Revision: 12.08.2023

Trade name **ombran FG rapid**

(Contd. of page 7)

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

1317-65-3 Calcium carbonate

EC50/72h	>14 mg/l (<i>Desmodesmus subspicatus</i>)
LC50/96h	>10000 mg/l (<i>Oncorhynchus mykiss</i>)
LC50/48h	>1000 mg/l (<i>Daphnia magna</i>)
EC50/48h	>1000 mg/l (<i>Daphnia magna</i>)

1305-78-8 calcium oxide

EC50/72h	184.57 mg/l (algae)
LC50/96h	50.6 mg/l (<i>Fis</i>)
	158 mg/l (<i>Mew</i>)
EC50/48h	49.1 mg/l (<i>Suw</i>)
NOEC	32 mg/l (<i>Mew</i>)
	48 mg/l (algae)

21645-51-2 aluminium hydroxide

NOEC	0.004 mg/l (<i>Suw</i>)
	>0.005 mg/l (<i>Daphnia magna</i>)
	>0.07 mg/l (fish)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.



BE SURE. BUILD SURE.

Page 9/10

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

Printing date 12.08.2023

Version number 18

Revision: 12.08.2023

Trade name **ombran FG rapid**

(Contd. of page 8)

14 Transport information

· UN-Number · ADR, ADN, IMDG, IATA	Void
· UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· Packing group · ADR, IMDG, IATA	Void
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

- **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.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

- **Department issuing data specification sheet:** Environment protection department.
- **Contact:**
- **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
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 (REACH)

(Contd. on page 10)



BE SURE. BUILD SURE.

Page 10/10

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

Printing date 12.08.2023

Version number 18

Revision: 12.08.2023

Trade name ombran FG rapid

(Contd. of page 9)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 5: Acute toxicity – Category 5

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

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

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

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

AE