



BE SURE. BUILD SURE.

Page 1/8

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

Printing date 24.02.2024

Version number 24


Revision: 24.02.2024

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

- **Product identifier**
- **Trade name** ombran HB
- **Relevant identified uses of the substance or mixture and uses advised against** *No further relevant information available.*
- **Application of the substance / the mixture** *Redeveloping plaster 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
Fly ash Portland cement*
- **Hazard statements** *Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.*
- **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.*

(Contd. on page 2)

AE



BE SURE. BUILD SURE.

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

Printing date 24.02.2024

Version number 24

Revision: 24.02.2024

Trade name **ombran HB**

(Contd. of page 1)

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:**

CAS: 14808-60-7	Quartz (SiO ₂)	30-60%
CAS: 65997-15-1	Portland cement Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	30-60%
CAS: 65997-16-2	Cement, alumina, chemicals Acute Tox. 5, H303	<10%
CAS: 68475-76-3	Fly ash Portland cement 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.

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.

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.

AE

(Contd. on page 3)



BE SURE. BUILD SURE.

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Printing date 24.02.2024

Version number 24

Revision: 24.02.2024

Trade name ombran HB

(Contd. of page 2)

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

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:**

CAS: 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

(Contd. on page 4)



BE SURE. BUILD SURE.

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

Printing date 24.02.2024

Version number 24

Revision: 24.02.2024

Trade name ombran HB

(Contd. of page 3)

CAS: 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

CAS: 69012-64-2 amorphous silica (fume)

TLV (USA)	TLV withdrawn
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· DNELs

CAS: 65997-15-1 Portland cement

Inhalative	DNEL	1 mg/m ³ (ArL)
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- **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:** *For work with higher dust loads particle filter class P2*
- **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.*
- **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 breakthrough time must be obtained from the protective glove manufacturer and must be observed.*
- **Eye protection:** *Not required.*
- **Body protection:** *Protective work clothing.*

AE

(Contd. on page 5)



BE SURE. BUILD SURE.

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

Printing date 24.02.2024

Version number 24

Revision: 24.02.2024

Trade name **ombran HB**

(Contd. of page 4)

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:** Not applicable.

· **Density** Not determined

· **Solubility in / Miscibility with**

· **Water:** Insoluble

· **Viscosity:**

· **dynamic:** Not applicable.

· **kinematic:** Not applicable.

· **Other information**

No further relevant information available.

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

AE

(Contd. on page 6)



BE SURE. BUILD SURE.

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Version number 24

Revision: 24.02.2024

Trade name ombran HB

(Contd. of page 5)

11 Toxicological information

- Information on toxicological effects
- Acute toxicity

· LD/LC50 values that are relevant for classification:

CAS: 65997-15-1 Portland cement

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

CAS: 65997-16-2 Cement, alumina, chemicals

Oral	LD50	>2000 mg/kg (rat)
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· 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

12 Ecological information

· Toxicity

· Aquatic toxicity:

CAS: 65997-16-2 Cement, alumina, chemicals

LC50/96h	>100 mg/l (Oncorhynchus mykiss)
EC50/48h	6.6 mg/l (Daphnia magna)
NOEC	>100 mg/l (Oncorhynchus mykiss)
	3.2 mg/l (Pseudokirchneriella subcapitata)
	1.8 mg/l (Daphnia magna)
ErC50/72h	5.6 mg/l (Pseudokirchneriella subcapitata)

· 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.

(Contd. on page 7)



BE SURE. BUILD SURE.

Page 7/8

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

Printing date 24.02.2024

Version number 24

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Trade name ombran HB

· **Other adverse effects**

No further relevant information available.

(Contd. of page 6)

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:**

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

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.

AE

(Contd. on page 8)



BE SURE. BUILD SURE.

Page 8/8

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

Printing date 24.02.2024

Version number 24

Revision: 24.02.2024

Trade name ombran HB

(Contd. of page 7)

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.

· **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)

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.**

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