



BE SURE. BUILD SURE.

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## Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 02.09.2024


Version number 26

Revision: 02.09.2024

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

- **Product identifier**
- **Trade name** ombran IW
- **Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture** Regulated set cement
- **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**  
Acute Tox. 5 H303 May be harmful if swallowed.  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Dam. 1 H318 Causes serious eye damage.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**  
  
GHS05
- **Signal word** Danger
- **Hazard-determining components of labelling:** Portland cement  
calcium oxide
- **Hazard statements** H303 May be harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.

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- (Contd. of page 1)
- **Precautionary statements**
    - P280 Wear protective gloves / eye protection / face protection.
    - 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.
    - P332+P313 If skin irritation occurs: Get medical advice/attention.
  - **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: 65997-16-2	Cement, alumina, chemicals Acute Tox. 5, H303	60-80%
CAS: 65997-15-1	Portland cement Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥10-<20%
CAS: 1305-78-8	calcium oxide Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335; Acute Tox. 5, H303; Acute Tox. 5, H313	≥3-<10%

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

### 4 First aid measures

- **Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Supply fresh air.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** Induce vomiting.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

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- **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** No dangerous materials are released.

### 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:** None.
- **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: 65997-15-1 Portland cement**

PEL (USA)	Long-term value: 50 mppcf or 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction

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TLV (USA)	Long-term value: 1* mg/m <sup>3</sup> E; *as respirable fraction, A4
WEL (Great Britain)	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust

**CAS: 1305-78-8 calcium oxide**

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

**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 <sup>3</sup> (ArL)
<b>CAS: 1305-78-8 calcium oxide</b>		
Inhalative	DNEL	1 mg/m <sup>3</sup> (ArL)

**· PNECs**

**CAS: 1305-78-8 calcium oxide**

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

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

**· Exposure controls**

**· Personal protective equipment**

**· General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.

**· 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.

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- **Material of gloves**      Nitrile rubber, NBR  
*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.*

### 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:**      Not applicable
- Not determined

- **Flash point:**      Not applicable

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

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

- **Steam pressure:**      Not applicable.

- **Density at 20 °C**      3.07 g/cm<sup>3</sup>

- **Solubility in / Miscibility with Water:**

Unsoluble

##### · Viscosity:

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

##### · Other information

No further relevant information available.

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### 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:**

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

Oral	LD50	>2000 mg/kg (rat)
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**CAS: 65997-15-1 Portland cement**

Dermal	LD50	2000 mg/kg (rabbit)
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Inhalative	LC50/4 h	5 mg/l (rat)
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**CAS: 1305-78-8 calcium oxide**

Oral	LD50	>2000 mg/kg (rat)
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Dermal	LD50	>2500 mg/kg (rabbit)
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- **Primary irritant effect:**
- **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 is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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## 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)

**CAS: 1305-78-8 calcium oxide**

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

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

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### 14 Transport information

· UN-Number	Void
· ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	Void
· ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	Void
· ADR, ADN, IMDG, IATA	Void
· Class	Void
· Packing group	Void
· ADR, IMDG, IATA	Void
· Environmental hazards:	No
· 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

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

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*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*DNEL: Derived No-Effect Level (REACH)*

*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.**

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