

# Safety Data Sheet according to Regulation (EC) No. 1907/2006



**Product:** MIG M 65  
**Created on:** 03.09.2018  
**Revised on:** 03.09.2018  
**Valid from:** 01.10.2018  
**Version:** 2.0  
**Replace version:** 1.0

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

### 1.1 Product identifier

Substance name/trade name: MIG M 65

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

Relevant identified uses: Plastering mortar

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

#### Manufacturer/Supplier

MIG Material Innovative Gesellschaft mbH

#### Street/postbox

Am Grarock 3

#### Country/postcode/city

D-33154 Salzkotten

#### Technical contact point

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### 1.4 Emergency telephone number

Poisons Information Centre

University Hospital Bonn

+49(0)22819240

## Section 2: Potential hazards

### 2.1 Classification of the substances/mixtures

#### Classification according to Regulation (EC) No. 1272/2008 (CLP):

Eye Dam. 1; H318, Skin Irrit. 2; H315, STOT SE 3; H335

### 2.2 Label elements

#### Labeling according to Regulation (EC) No. 1272/2008:

##### Pictogramm:



**Signal word:** Danger

##### Hazardous component(s) for labelling:

Portland cement

##### Hazard warnings:

H315: Causes skin irritation.

H318: Causes serious eye irritation.

H335: May irritate the respiratory system.

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## Safety instructions:

P101: If medical advice is required, provide packaging or identification label.  
P102: Keep out of the reach of children.  
P103: Read identification label before use.  
P261: Avoid breathing dust / fume / gas / mist / vapor / spray.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses if possible. Continue rinsing.  
P501: Dispose of contents / container in accordance with local / regional / national / international regulations.

## 2.3 Other hazards:

The content of soluble chromium (VI) is not more than 0.0002% according to Annex XVII paragraph 47 of the EC Regulation 1907/2016.  
Product reacts strongly alkaline with water.  
Results of PBT and vPvB assessment  
PBT: Not applicable.  
vPvB: Not applicable.

## Section 3: Composition/information on ingredients

### 3.2 Mixtures

Portland cement  
EC-No.: 266-043-4, CAS-No.: 65997-15-1  
Portion: 20 - 45%  
Classification according to Regulation (EC) No 1272/2008:  
Skin Irrit. 2; H315, Eye Dam.1; H318, STOT SE 3; H335

Calcium dihydroxide  
EC No.: 215-137-3, CAS No.: 1305-62-0, REACH registration No.: 01-2119475151-45  
Portion: 3 - 5%  
Skin Irrit. 2; H315, Eye  
Dam.1; H318, STOT SE 3;  
H335

(The wording of the listed risk phrases can be found in Section 16)

## Section 4: First aid measures

### 4.1 Description of first aid measures

#### General information:

Remove contaminated clothing immediately.  
Self-protection of the first aider.  
Remove affected persons from the danger area.

#### After inhalation

Supply fresh air, consult a doctor in case of complaints.

#### After contact with skin

Wash immediately with soap and water  
If skin irritation persists, consult a doctor.

#### After contact with eyes

Rinse eyes under running water for several minutes with the eyelid open. If symptoms persist, consult a doctor.

#### After ingestion

Do not induce vomiting. Seek medical advice immediately.

### 4.2 Most important acute and delayed symptoms and effects

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No further relevant information available.

## 4.3 Information on immediate medical help or special treatment

No further relevant information available.

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## Section 5: Fire-fighting measures

### 5.1 Extinguishing agent

Suitable: Use fire extinguishing measures that suits the environment.

Unsuitable: Water with full jet

### 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

### 5.3 Information for firefighters

Do not inhale explosion and fire gases.

Wear self-contained breathing apparatus.

Fire residues and contaminated extinguishing water must be disposed of in accordance with official regulations.

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## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective clothing.

### 6.2 Environmental measures

Do not empty into drains or watercourses.

Notify the competent authority in case of release into water or sewage system.

### 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Collect mechanically.

### 6.4 Reference to other sections

For information on safe handling see Section 7.

For information on personal protection see Section 8.

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## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Avoid dust formation.

#### **Measures to protect against fire and explosions**

No special measures required.

### 7.2 Conditions for safe storage, including any incompatibilities

#### **Information on storage conditions**

Store in cool and dry containers in well closed containers.

#### **Requirements for storage rooms and containers**

No special requirements.

**Storage class:** LGK 13                      Non-combustible solids

### 7.3 Specific end uses

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## Industry and sector specific guidelines

No further relevant information available.

## Section 8: Exposure controls/Personal protection

### 8.1 Parameters to be monitored

General dust limit value quartz  
Specification: Occupational exposure limits in accordance with TRGS 900  
Value: 1.25 mg/m<sup>3</sup> A; 10 mg/m<sup>3</sup> E  
Peak limit: 2(II)  
Teratogenic: MAK

### 8.2 Limitation and monitoring of exposure

#### Personal protective equipment

##### General protective and hygienic measures

Do not eat, drink, smoke, or sniff while working.  
Take off dirty, soaked clothes immediately.  
Wash hands before breaks and at the end of work.  
Avoid contact with eyes and skin.

##### Eye/face protection

Tight fitting safety goggles

##### Skin protection

###### Hand gloves

With full contact:  
Glove material: Nitrile rubber  
Layer thickness (mm): ≥4 mm  
Penetration time (min.): > 480 minutes

###### In splash contact:

Glove material: Nitrile rubber  
Layer thickness (mm): ≥4 mm  
Penetration time (min.): > 480 minutes

###### Other skin protection

butyl rubber  
Fluoro rubber (Viton)  
PVC gloves.

##### Respiratory protection

In case of dust formation, suitable respiratory protection must be worn.  
Filter type P2

##### Body protection

Work protective clothing

##### Limitation and monitoring of environmental exposure

See Section 6 and 7



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## **Section 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance	
- Physical state:	Powder
- Colour:	Grey
Odour:	Odourless
Odour threshold:	Not applicable
pH-value:	>12
Melting point/Freezing point:	No data available
Initial boiling point and boiling range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gaseous): upper/lower flammability or explosive limits:	This substance is not flammable.
Vapour pressure:	Not applicable
Vapor density:	Not applicable
Bulk density:	Not specified
Solubility:	Fully miscible
Partition coefficient: n-octanol/water:	Not applicable
Autoignition temperature:	Not applicable
Decomposition temperature:	Not specified
Viscosity:	Not applicable
Explosive properties:	The product / substance is not explosive.
Oxidizing properties:	Not specified

### **9.2 Other information**

No further relevant information available.

## **Section 10: Stability and Reactivity**

### **10.1 Reactivity**

No further relevant information available.

### **10.2 Chemical stability**

No decomposition if used as directed.

### **10.3 Possibility of hazardous reactions**

No dangerous reactions known.

### **10.4 Conditions to avoid**

Avoid moisture.

### **10.5 Incompatible materials**

No further relevant information available.

### **10.6 Hazardous decomposition products**

No further relevant information available.



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## **Section 11: Toxicological information**

### **11.1 Information on toxicological effects**

The mixture is not tested as such. The preparation is classified according to the conventional method (calculation method of Regulation (EC) No 1272/2008) and toxicological hazards.

#### **Acute toxicity**

Based on available data, the classification criteria are not met.

Portland cement: EC-No.: 266-043-4, CAS-No.: 65997-15-1

LD<sub>50</sub> Dermal: 2000 mg/kg (rabbit) limit test, 24 hours exposure - no lethality

Calcium dihydroxide, EC-No.: 215-137-3, CAS-No.: 1305-62-0

Oral LD50: >2000 mg/kg (rat) (OECD 425)

Dermal LD50: >2000 mg/kg (rabbit) (OECD 402)

#### **Skin corrosion / irritation**

Causes skin irritations.

Calcium dihydroxide, EC-No.: 215-137-3, CAS-No.: 1305-62-0

OECD 404 (skin) - (rabbit)

Calcium dihydroxide irritates the skin (in vivo, rabbit). As a result of studies, calcium dihydroxide can be classified as skin irritant.

#### **Serious eye damage / irritation**

Causes severe eye damages.

Calcium dihydroxide, EC-No.: 215-137-3, CAS-No.: 1305-62-0

OECD 405 (skin) - (rabbit)

As a result of studies (in vivo, rabbit), calcium dihydroxide can lead to serious eye damage.

#### **Sensitization of the respiratory tract/skin**

Based on available data, the classification criteria are not met.

Calcium dihydroxide, EC-No.: 215-137-3, CAS-No.: 1305-62-0

OECD 406 - (-)

Calcium dihydroxide is not classified as a skin sensitizer due to its mode of action (pH change) and the importance of calcium in human nutrition.

#### **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.

#### **Specific target organ toxicity - single exposure**

Based on available data, the classification criteria are not met.

#### **Specific target organ toxicity - repeated exposure**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

## **Section 12: Ecological information**

### **12.1 Toxicity**

Calcium dihydroxide, EC-No.: 215-137-3, CAS-No.: 1305-62-0

EC<sub>50</sub> / 48h 49.1mg/l (invertebrate freshwater organisms)

LC<sub>50</sub> / 96h 160 mg/l (Gambusia affinis)

457 mg/l (marine fish)

50.6 mg/l (freshwater fish)

158 mg/l (invertebrate marine organisms)

EC<sub>50</sub> / 72h 184.57 mg/l (freshwater algae)

NOEC (72h) 48 mg/l (freshwater algae)

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## **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 Result of PBT and vPvB assessment**

Not applicable

## **12.6 Other adverse effects**

No further relevant information available.

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## **Section 13: Disposal information**

### **13.1 Waste treatment methods**

Recycling by treatment or landfill according to legal and local regulations.

#### **Treatment of contaminated packaging**

Dispose according to official regulations.

#### **Waste code according to Waste Catalog Ordinance (AVV)**

101300 waste from the manufacture of cement, quicklime, gypsum and products thereof.

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## **Section 14: Transport information**

### **14.1 UN-Number**

Not applicable

### **14.2 Proper UN Shipping Name**

#### **ADR/RID**

Not applicable

#### **IMDG code / ICAO-TI / IATA-DGR**

Not applicable

### **14.3 Transport risk classes**

Not applicable

### **14.4 Packaging group**

Not applicable

### **14.5 Environmental hazards**

#### **Environmentally hazardous substances**

**ADR/RID / IMDG code / ICAO-TI / IATA-DGR:**  yes /  no

**Marine Pollutant:**  yes /  no

### **14.6 Special precautions for the user**

See sections 6 - 8

### **14.7 Bulk cargo transportation in accordance with Annex II of the MARPOL Convention and the IBC Code**

Not applicable

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## **Section 15: Regulatory information**

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

#### **Regulation (EC) No 2037/2000 (substances that deplete the ozone layer):**

Not applicable

#### **Regulation (EC) No 850/2004 (persistent organic pollutants):**

Not applicable

#### **Regulation (EC) No 689/2008 (export and import of dangerous chemicals):**

Not applicable

#### **Regulation (EC) No 648/2004 (Detergents Regulation):**

Not applicable

#### **Restrictions under Title VIII of Regulation (EC) No 1907/2006:**

Not applicable

#### **Water hazard class**

1 slightly hazardous to water

#### **Solvent Ordinance (31. BImSchV)**

VOC proportion: 0 (calculated)



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## 15.2 Chemical Safety Assessment

The mixture was not subject to safety assessment

### **Section 16: Other information**

#### **Changes compared to the last version**

See section 1-16

#### **Abbreviations**

ADR: European Convention on the International Carriage of Dangerous Goods by Road  
AwSV: Ordinance on Installations for the Handling of Substances Hazardous to Water  
BImSchV: Ordinance for the Implementation of the Federal Emission Control Act  
CAS: Chemical Abstracts Service  
DIN: German Institute for Standardisation  
EC: Effective Concentration  
EG: European Community  
EN: European Norm  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
PBT: Persistent, Bioaccumulative and Toxic  
VPvB: very Persistent and very Bioaccumulative  
Skin Irrit. 2: Skin Irritating/corrosive Effect - Category 2  
Eye Dam. 1: Severe eye damage/eye irritation - Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

#### **Methods referred to in Article 9 of Regulation (EC) No 1272/2008 were used to assess the information for classification purposes**

Calculation method

#### **Wording of the hazard statements and / or precautionary statements referred to in sections 2 to 15**

H315: Causes skin irritation.  
H318: Causes severe eye damage.  
H335: May irritate respiratory tract.

#### **Training for employees**

No training is required for activities involving this hazardous substance.

#### **Further information**

This data sheet is intended as a guideline for the proper handling of the product by trained personnel. To the best of our knowledge, the information in this safety data sheet corresponds to our knowledge at the time of printing. They do not constitute an assurance of certain product characteristics and do not establish a contractual legal relationship. It is the responsibility of the user to ensure that all information and properties are consistent with his particular application. The product is designed for a specific application, so the user himself is liable for risks and damages due to other applications. It does not release the user from knowing and using all information about the handling of the product. He is responsible for all measures regarding the use of the product.