

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

ICT Ingenieurbüro für CHEMIE und TECHNOLOGIE

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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.

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



Product: MIG M 65
Created on: 03.09.2018
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Version: 2.0 **Replace version:** 1.0

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

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



Product: MIG M 65
Created on: 03.09.2018
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No further relevant information available.

4.3 Information on immediate medical help or special treatment

No further relevant information available.

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.

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.

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

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



Product: MIG M 65
Created on: 03.09.2018
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Version: 2.0 **Replace version:** 1.0

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/m³ A; 10 mg/m³ 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



Product: MIG M 65
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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.



Product: MIG M 65
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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

LD₅₀ 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

EC₅₀ / 48h 49.1mg/l (invertebrate freshwater organisms)

LC₅₀ / 96h 160 mg/l (Gambusia affinis)

457 mg/l (marine fish)

50.6 mg/l (freshwater fish)

158 mg/l (invertebrate marine organisms)

EC₅₀ / 72h 184.57 mg/l (freshwater algae)

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

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



Product: MIG M 65
Created on: 03.09.2018
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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.

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.

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



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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

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)

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



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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.