

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **Mortar for fire protection duct**

Version: 1 Date of issue/Latest revision:
(Manufacturer) 15. 12. 2022/ 13. 03. 2024

Date of issue: 09. 07. 2024

Page: 1/(12)

Date of revision:

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

1.1. Product identifier:

Mortar for fire protection duct

UFI: 96MQ-MA10-N72F-FG6C

Article number / Type: 7215500 / KTM

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

Relevant identified uses: Fire protection duct mortar. Use by professional workers. Consumer use.

Uses advised against: application other than the above.

1.3. Details of the supplier of the safety data sheet:

Distributor Details:

OBO Bettermann Produktion Deutschland GmbH & Co. KG

Hüingser Ring 52, 58710 Menden (Sauerland), Germany

Tel.: +49 2373 890

Fax: +49 2373 89238

E-mail: info@obo.de

Responsible for SDS:

OBO Bettermann Produktion Deutschland GmbH & Co. KG

Hüingser Ring 52, 58710 Menden (Sauerland), Germany

Tel.: +49 2373 890

Fax: +49 2373 89238

E-mail: info@obo.de

1.4. Emergency telephone number

National Poisons Information Centre in Ireland:

Tel.: 01 809 2166 (between 8am and 10pm for members of the public)

Tel: 01 809 2566 (Professionals, 24/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Hazard Class and Category: Hazard statement:

Skin Irrit. 2

H315

Causes skin irritation.

Eye Dam. 1

H318

Causes serious eye damage.

STOT SE 3

H335

May cause respiratory irritation.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **Mortar for fire protection duct**

Version: 1 Date of issue/Latest revision:
(Manufacturer) 15. 12. 2022/ 13. 03. 2024

Date of issue: 09. 07. 2024

Page: 2/(12)

Date of revision:

2.2. Label elements

Product identification: Trade name: **Fire protection duct mortar**

Hazardous components: Portland cement; Flue dust

GHS Pictogram:



Signal word: **Danger**

Hazard statement:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Supplemental hazard information: -

Precautionary statements – General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements – Prevention:

P261 Avoid breathing dust.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves, protective clothing, eye protection, face protection.

Precautionary statements – Response:

P305 + P351+ P338 + P310 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/...

Precautionary statements – Storage:

P405 Store locked up.

Precautionary statements – Disposal:

P501 Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:

Tactile warning of danger and child-resistant fastening: Not required.

Transport classification: see section 14.

2.3. Other hazards

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006, at a concentration of 0.1% or more.

The product does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **Mortar for fire protection duct**

Version: 1 Date of issue/Latest revision:
(Manufacturer) 15. 12. 2022/ 13. 03. 2024

Date of issue: 09. 07. 2024

Page: 3/(12)

Date of revision:

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical description: Mixtures of the following substances and non-hazardous substances.

Component(s) / Hazardous component(s):

| Name | EC number | CAS number | Hazard classes and cat. | Hazard statements | Conc. % (m/m) |
|---|-----------|------------|--|------------------------------|---------------|
| Cement, portland, chemicals* REACH Registr. Nr.: no data | 266-043-4 | 65997-15-1 | Skin Irrit. 2 Skin Sens. 1 Eye Dam. 1 STOT SE 3 | H315 H317 H318 H335 | 40-70 |
| Flue dust, portland cement REACH Registr. Nr.: 01-2119486767-17 | 270-659-9 | 68475-76-3 | Skin Irrit. 2 Skin Sens. 1 Eye Dam. 1 STOT SE 3 | H315 H317 H318 H335 | 0.1 - <0.25 |
| Silicon dioxide* REACH Registr. Nr.: 01-2119379499-16 | 231-545-4 | 7631-86-9 | - | - | <60 |

*with exposure limit

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: Never give anything by mouth to an unconscious person, or never induce vomiting.

Inhalation: Remove the affected person to fresh air. If rapid recovery does not occur, obtain medical attention.

Skin contact: Wash skin with large amounts of water. In case of persistent irritation, get medical attention.

Eye contact: Flush eyes with plenty of water for 10-15 minutes, holding the eyelids open. In case of persistent irritation, get medical attention.

Ingestion: DO NOT induce vomiting. Rinse mouth thoroughly with water and give the injured person some water to drink. Get prompt medical attention.

Protection of first-aid person: No data.

4.2. Most important symptoms and effects, both acute and delayed

Causes skin irritation, skin inflammation.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: Mortar for fire protection duct

Version: 1 Date of issue/Latest revision:
(Manufacturer) 15. 12. 2022/ 13. 03. 2024

Date of issue: 09. 07. 2024

Page: 4/(12)

Date of revision:

Causes serious eye damage, damages the cornea.

Dust can mechanically irritate the eyes.

May cause respiratory irritation (coughing).

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

According to the burning environment.

Unsuitable extinguishing media:

Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

On burning, carbon dioxide, carbon monoxide, calcium oxide and other dangerous gases and vapours can be formed.

5.3. Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations. Respiratory protection.

Further information:

In case of fire, keep containers cool with water spray.

The extinguishing water is alkaline.

Collect contaminated fire-fighting water separately. It must not enter the sewage system.

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

Personal precautions: see Section 8.

Sufficient ventilation should be provided.

Keep away from sources of ignition – No smoking.

Avoid contact with skin, mucous membranes and eyes. Avoid prolonged breathing of dust.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: Mortar for fire protection duct

Version: 1 Date of issue/Latest revision:
(Manufacturer) 15. 12. 2022/ 13. 03. 2024

Date of issue: 09. 07. 2024

Page: 5/(12)

Date of revision:

6.2. Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil.
Notify relevant authority.

6.3. Methods and material for containment and cleaning up

The product must be collected mechanically and then stored in an appropriately labelled container until proper disposal. The contaminated area must be cleaned.

6.4. Reference to other sections

Personal precautions: see section 8.

Waste treatment methods: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep general measures applied for normal operations with chemicals.

Adequate ventilation must be provided.

Avoid contact with skin and eyes. Avoid prolonged breathing of dust.

Avoid dust formation.

Wash hands before breaks and at end of work.

Take off contaminated clothing and wash it before reuse.

When using do not eat, drink or smoke. Avoid splashing the product.

Handling temperature: no data.

7.2. Conditions for safe storage, including any incompatibilities

Storage facilities must comply with regulations for storing of chemicals.

Store in dry, cool well-ventilated place in original, closed containers.

Protect from moisture and water.

Keep away from food, drink and feed.

Storage temperature: no data.

7.3. Specific end use(s)

Fire protection duct mortar. Use by professional workers. Consumer use.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **Mortar for fire protection duct**

Version: 1 Date of issue/Latest revision:
(Manufacturer) 15. 12. 2022/ 13. 03. 2024

Date of issue: 09. 07. 2024

Page: 6/(12)

Date of revision:

SECTION 8: Exposure controls / personal protection

8.1. Control parameters:

| Substance | CAS number | Occupational Exposure Limit Value (8-hour reference period) | | Occupational Exposure Limit Value (15-minute reference period) | | Comments |
|------------------------|------------|---|-------------------|--|-------------------|----------|
| | | ppm | mg/m ³ | ppm | mg/m ³ | |
| <i>Portland Cement</i> | 65997-15-1 | - | 1 (R) | - | - | - |

8.2. Exposure controls

Engineering control measures:

Adequate ventilation (general or local exhaust).

Personal protection:

- (a) Eye/face protection Tight fitting safety glasses with side shields (EN 166).
- (b) Skin protection
 - (i) Hand protection Chemical resistant gloves (EN 374).
Material: nitrile rubber, Layer thickness: 0.15 mm, Breakthrough time: ≥ 480 min.
Inappropriate material: leather.
Note: Manufacturer's directions for use and the conditions of application should be observed.
 - (ii) Other Protective clothing.
- (c) Respiratory protection In case of exceeded exposure-limits respiratory protection with particle-filter (filter P1, color code: white) is recommended (EN 143).
- (d) Thermal hazards No data.

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- a) Physical state: solid (powder)
- b) Colour: grey

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **Mortar for fire protection duct**

Version: 1 Date of issue/Latest revision:
(Manufacturer) 15. 12. 2022/ 13. 03. 2024

Date of issue: 09. 07. 2024
Date of revision:

Page: 7/(12)

- | | |
|--|-----------------------------|
| c) Odour: | odourless |
| d) Melting point/freezing point (Pour point): | not available |
| e) Boiling point or initial boiling point and boiling range (DIN 53171): | not available |
| f) Flammability: | not combustible |
| g) Lower and upper explosion limit: | not explosive |
| h) Flash point: | not applicable |
| i) Auto-ignition temperature: | not applicable |
| j) Decomposition temperature: | not available |
| k) pH (100 g/l): | ~12 |
| l) Kinematic viscosity | |
| | at 40°C: not available |
| | at 100°C: not available |
| m) Solubility | |
| Solubility in water: | <3 g/l |
| Solubility in other solvents: | not available |
| n) Partition coefficient n-octanol/water (log value): | not available |
| o) Vapour pressure: | not applicable |
| p) Density and/or relative density: | 2.2 – 3.2 g/cm ³ |
| q) Relative vapour density: | not available |
| r) Particle characteristics: | not available |

9.2. Other information

- | | |
|-----------------------|------------------------|
| VOC: | 0 % |
| Bulk density: | 1200 kg/m ³ |
| Oxidizing properties: | not oxidize |

SECTION 10: Stability and reactivity

- | | |
|--|---|
| 10.1. Reactivity | Dangerous reactivity not known. |
| 10.2. Chemical stability | No decomposition if stored and handled properly. |
| 10.3. Possibility of hazardous reactions | Not known. |
| 10.4. Conditions to avoid | Moisture. |
| 10.5. Incompatible materials | Strong acids. |
| 10.6. Hazardous decomposition products | No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5. |

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Mortar for fire protection duct**

Version: 1 Date of issue/Latest revision:
(Manufacturer) 15. 12. 2022/ 13. 03. 2024

Date of issue: 09. 07. 2024

Page: 8/(12)

Date of revision:

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

Components

Portland cement (CAS: 65997-15-1)

| | | | |
|-------------|---------------------------|-----------------------|------------|
| Oral: | LD ₅₀ | > 2000 mg/kg | |
| Dermal: | LD ₅₀ (rabbit) | > 2000 mg/kg (24 h) | Limit test |
| Inhalation: | LC ₅₀ (rat) | > 5 g/cm ³ | Limit test |

Silicon dioxide (CAS: 7631-86-9)

| | | | |
|---------|---------------------------|--------------|----------|
| Oral: | LD ₅₀ (rat) | > 5000 mg/kg | OECD 401 |
| Dermal: | LD ₅₀ (rabbit) | > 5000 mg/kg | OECD 402 |

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
Low chromate content.

The product contains ingredients which prevent sensitisation.

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.

STOT-single exposure: May cause respiratory irritation.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

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

11.2. Information on other hazards

The product does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

SECTION 12: Ecological information

12.1. Toxicity

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

Components

Silicon dioxide (CAS: 7631-86-9)

| | | | |
|-------------------------------|------------------|-------------|-------------------|
| Fish (Brachydanio rerio): | LC ₅₀ | > 100 mg/L | (96 h, OECD 203) |
| Daphnia (Daphnia magna): | EC ₅₀ | > 1003 mg/L | (24 h, OECD 202) |
| Algae (Skeletonema costatum): | EC ₅₀ | 4200 mg/L | (72 h, ISO 10253) |

12.2. Persistence and degradability

No data for the product.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **Mortar for fire protection duct**

Version: 1 Date of issue/Latest revision:
(Manufacturer) 15. 12. 2022/ 13. 03. 2024

Date of issue: 09. 07. 2024
Date of revision:

Page: 9/(12)

12.3. Bioaccumulative potential

No data for the product.

12.4. Mobility in soil

No data for the product.

12.5. Results of PBT and vPvB assessment

Does not contain PBT and vPvB substances, at a concentration of 0.1% or more.

12.6. Endocrine disrupting properties

The product does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

12.7. Other adverse effects

Do not discharge into surface water, groundwater or sewers.

Water hazard class (German):

WGK 1 (Classification by AwSV)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 10 13 11

Wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10.

Disposal must be in compliance with national and local regulations.

Packaging disposal:

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

Waste Identification Code: 15 01 01

Paper and cardboard packaging.

Disposal must be in compliance with national and local regulations.

Wastewater:

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **Mortar for fire protection duct**

Version: 1 Date of issue/Latest revision:
(Manufacturer) 15. 12. 2022/ 13. 03. 2024

Date of issue: 09. 07. 2024
Date of revision:

Page: 10/(12)

SECTION 14: Transport information

Road/ Railway

ADR/RID:

- | | |
|---|-----------------|
| 14.1. UN number or ID number | Not classified. |
| 14.2. UN proper shipping name | Not classified. |
| 14.3. Transport hazard class(es) | Not classified. |
| 14.4. Packing group | Not classified. |
| 14.5. Environmental hazards | Not classified. |
| 14.6. Special precautions for user | Not classified. |
| 14.7. Maritime transport in bulk according to IMO instruments | Not applicable. |

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2020/878/EU) and to Regulation (EC) 1272/2008.
Seveso category: not classified
- 15.2. Chemical safety assessment.
not available

SECTION 16: Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 (CLP)

| | | |
|---------------|------|--------------------|
| Skin Irrit. 2 | H315 | calculation method |
| Eye Dam. 1 | H318 | calculation method |
| STOT SE 3 | H335 | calculation method |

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **Mortar for fire protection duct**

Version: 1 Date of issue/Latest revision:
(Manufacturer) 15. 12. 2022/ 13. 03. 2024

Date of issue: 09. 07. 2024

Page: 11/(12)

Date of revision:

The full text of each relevant H- phrase and Hazard classes and cat. in Section 3.:

| | |
|---------------|---|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Respiratory/skin sensitization Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| STOT SE 3 | Specific target organ toxicity — single exposure Category 3 |

Legend:

| | |
|-------------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration Factor |
| BOD | Biological Oxygen Demand |
| Bw | Body Weight |
| C&L | Classification and Labelling |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging |
| CMR | Carcinogenic, Mutagenic or toxic to Reproduction |
| COD | Chemical Oxygen Demand |
| CSA | Chemical Safety Assessment |
| CSR | Chemical Safety Report |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No Effect Level |
| ECHA | European Chemicals Agency |
| Ec _x | Effective Concentration x% |
| ErC ₅₀ | EC ₅₀ in terms of reduction of growth rate |
| Ed _x | Effective Dose x% |
| EC | European Community |
| EC number | European Community number |
| ELINCS | European List of Notified Chemical Substances |
| ES | Exposure Scenario |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC _x | Lethal Concentration x% |

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Mortar for fire protection duct**

Version: 1 Date of issue/Latest revision: (Manufacturer) 15. 12. 2022/ 13. 03. 2024 Date of issue: 09. 07. 2024 Page: 12/(12) Date of revision:

| | |
|-------|---|
| LDx | Lethal Dose x% |
| LOAEC | Lowest Observed Adverse Effect Concentration |
| LOAEL | Lowest Observed Adverse Effect Level |
| LOEC | Lowest Observed Effect Concentration |
| LOEL | Lowest Observed Effect Level |
| NOEC | No observed effect concentration |
| NOEL | No observed effect level |
| NLP | No-Longer Polymer |
| NOAEL | No Observed Adverse Effect Level |
| OECD | Organisation for Economic Cooperation and Development |
| PBT | Persistent Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | parts/million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Regulations concerning the International carriage of Dangerous Goods by Rail |
| SVHC | Substance of Very High Concern |
| UVCB | substance of unknown or variable composition, complex reaction products or biological materials |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and very Bio-accumulative |

Revision Indicators:

| Section | Subject of change | Date | Version |
|---------|-------------------|------|---------|
| | | | |