

Safety data sheet

according to Directive (EC) no. 1907/2006 and Directive (EU)
no. 453/2010 (REACH)



Trade name: PYROMIX® fire protection mortar

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1. Material/preparation and company designation

1.1 Product identifier

Trading name: PYROMIX® fire protection mortar
Article number: 7206104/7206058
Type: MSX-S1/MSX-E1

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

Relevant identified uses

Use of the substance/mixture: Mineral dry mortar for mixing with water

Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Manufacturer/supplier

OBO Bettermann Holding GmbH & Co. KG
P.O. Box 1120
58710 Menden
Germany

Division providing information

Customer Service
Tel.: +49 2373 89 - 17 00
E-Mail: info@obo.de

1.4 Emergency telephone number

REACH Registration of Chemicals GmbH
Tel.: +49 (0)700 24112112 (OBO)
Tel.: +1 872 5888271 (OBO)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 1 H318

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

Signal word (CLP):	Danger
Contains:	Portland cement
Hazard statements (CLP):	H315 - Causes skin irritation. H318 - Causes serious eye damage.
Precautionary statements (CLP):	P280 - Wear eye protection, protective gloves, protective clothing. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. 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 doctor. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

3. Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical characterization:

Dry mortar made from mineral binders and aggregates

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Portland cement	CAS-No.: 65997-15-1 EG-No.: 266-043-4	10 - < 20	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335

Full text of H- and EUH-statements:

see section 16

4. First aid measures

4.1 Description of first aid measures

After inhalation

Remove person to fresh air and keep comfortable for breathing.

After skin contact

Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

After ingestion

Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation:

Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

Symptoms/effects after skin contact:

Irritation.

Symptoms/effects after eye contact:

Serious damage to eyes.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam. Carbon dioxide (CO₂). Dry powder. Water spray.

Unsuitable extinguishing media

high volume water jet.

5.2 Special hazards arising from the substance or mixture

Fire hazard:

Product does not burn, fire-extinguishing activities according to surrounding.

Explosion hazard:

Product is not explosive.

Hazardous decomposition products in case of fire:

Toxic fumes may be released.

5.3 Advice for firefighters

Protection during firefighting:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures:

Avoid contact with eyes, skin or mucous membrane. Avoid creating or spreading dust. Do not breathe dust.

6.1.1. For non-emergency personnel

Emergency procedures:

Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: „Exposure controls/personal protection“.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:

Mechanically recover the product.

Other information:

Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13..

7. Handling and storage

7.1 Precautions for safe handling

Additional hazards when processed:

Avoid contact with eyes, skin or mucous membrane. Avoid creating or spreading dust.

Precautions for safe handling:

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures:

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

Information on mixed storage:

Keep away from food, drink and animal feeding stuffs.

Storage area:

Protect from moisture.

7.3 Specific end use(s)

See Section 1.

8. Exposure controls/personal protection

8.1 Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection



Eye protection: Protective goggles (EN 166)

8.2.2.2. Skin protection



Skin and body protection: Wear suitable protective clothing



Hand protection: Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent). Safety gloves for the site (EN420, Cat. 1 or 2)

8.2.2.3. Respiratory protection



Respiratory protection: No personal breathing protective equipment is normally required.
Dust production: dust mask with filter type P2

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Avoid release to the environment.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Colour:	Grey.
Appearance:	Powder.
Odour:	Odourless.
Odour threshold:	Not available
Melting point:	Not available
Freezing point:	Not applicable
Boiling point:	Not available
Flammability:	Non flammable.
Explosive properties:	Product is not explosive.
Oxidising properties:	Non oxidizing.
Lower explosive limit (LEL):	Not applicable
Upper explosive limit (UEL):	Not applicable
Flash point:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not available
pH:	Not applicable
pH solution:	Not available
Viscosity, kinematic:	Not applicable
Viscosity, dynamic:	Not applicable
Solubility:	Water: of very low solubility
Partition coefficient n-octanol/water (Log Kow):	Not available
Vapour pressure:	0 hPa
Vapour pressure at 50°C:	Not available
Density:	Not available
Relative density:	Not available
Relative vapour density at 20°C:	Not applicable
Particle size:	Not available

9.2 Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content: 0 %

10. Stability and reactivity

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

Water, humidity.

10.5 Incompatible materials

Acids.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

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

Acute toxicity (oral):

Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal):

Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation):

Not classified (Based on available data, the classification criteria are not met)

Skin corrosion/irritation:

Causes skin irritation.

pH: Not applicable

Serious eye damage/irritation:

Causes serious eye damage.

pH: Not applicable

Respiratory or skin sensitisation:

Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity:

Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity:

Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity:

Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure:

Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure:

Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard:

Not classified (Based on available data, the classification criteria are not met)

11.2 Information on other hazards

No additional information available

12. Ecological information

12.1 Toxicity

Ecology - general:

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute):

Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic):

Not classified (Based on available data, the classification criteria are not met)

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Endocrine disrupting properties

No additional information available

12.7 Other adverse effects

No additional information available

13. Disposal considerations

13.1 Waste treatment methods

Waste treatment methods:

Dispose of contents/container in accordance with licensed collector's sorting instructions.

European List of Waste (LoW, EC 2000/532):

17 01 01 - concrete

14. Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1 UN number or ID number				

Not regulated for transport				
14.2 UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6 Special precautions for user**Overland transport**

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1 EU-Regulations****REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content: 0 %

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

16. Other information

Abbreviations and acronyms:

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
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration

RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties
DOT	Department of Transport
TDG	Transportation of Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GHS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
MARPOL 73/78	MARPOL 73/78: International Convention for the Prevention of Pollution From Ships
ADG	Transport of Australian Dangerous Goods

Other information:

Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H335	May cause respiratory irritation.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method

Department issuing data sheet:

Technical Documentation

