

Safety data sheet

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



Trading 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

Recommended use: Mineral fire protection mortar, for mixture with water, to create fire-resistance insulation for preventive fire protection.

1.2 Relevant identified uses of the substance or mixture and uses we would not recommend

No other relevant information available.

1.3 Manufacturer/supplier

OBO Bettermann GmbH & Co. KG

Hüingser Ring 52

58710 Menden

Germany

1.4 Division providing information

Customer Service

Tel.: +49 (0)2373 89-15 00

1.5 Emergency telephone number

EMERGENCY POISON HOTLINE BERLIN

Tel.: +49 (0)30 30686 790

2. Possible risks

2.1 Categorisation according to EU ordinance 1272/2008 (CLP)



GHS05 irritant

Eye Dam. 1

H318 Causes serious eye damage.



GHS07

Skin Irrit. 2

H315 Causes skin irritation.

2.2 Categorisation according to Directive 67/548/EEC or 1999/45/EC



Xi irritant

R41: Risk of serious damage to eyes.

Classification system:

The classification corresponds to the current EC lists, however, it has been supplemented with data from specialist literature and company data.

2.3 Labelling according to EU ordinance 1272/2008 (CLP)

The product is classified and labelled according to the CLP ordinance.

Hazard pictograms:

GHS05

Signal word: Danger

Hazardous components for labelling

Portland cement

Risk information:

H315 Causes skin irritation.

H318 Causes serious eye damage.

Safety information:

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

P102 Keep out of the reach of children.

P103 Read label before use.

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

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

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 Call the POISON CENTRE or a doctor.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing. Wash contaminated clothing before reuse.

Other risks

The hazard designation "Irritant" not only applies to a dry powder but also applies when moisture/water is added (alkaline reaction).

The preparation is low-chromate according to TRGS 613. The precondition for the effectiveness of chromate reduction is proper storage and observances of the storage date (see Chapter 7).

3. Composition/details of component parts**3.1 Chemical characteristics**

Mixtures

3.2 Description

Dry mortar made of mineral binders and supplementary substances.

3.3 Hazardous contents

CAS: 65997-15-1 EINECS: 266-043-4	Portland cement Xi R37/38-41 Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335	10–25%
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3.4 Additional information

The actual text of the listed hazard information can be found in Chapter 16.

4. First aid measures

4.1 Description of the first aid measures

After skin contact

Remove articles of saturated clothing. Wash skin immediately with copious amounts of water and soap. If feeling unwell, consult the doctor.

After eye contact

With the eyelids open, rinse eyes under running water for several minutes and obtain medical advice.

After ingestion

Rinse out the mouth and drink copious amounts of water.

Prevent vomiting and obtain medical assistance immediately.

After inhalation

Ensure a supply of fresh air. If feeling unwell, consult the doctor.

4.2 Most important acute or delayed symptoms and effects

No other relevant information available.

4.3 Information for immediate medical aid or special treatment

No other relevant information available.

5. Fire protection measures

5.1 Extinguishing media

Suitable extinguishing media: The product is non-combustible, both in the as-delivered state and also when mixed. Match the extinguishing agent and firefighting measures to fires in the environment.

Unsuitable extinguishing agents for safety reasons: Full jet of water.

5.2 Special hazards arising from the substance or mixture

No other relevant information available.

5.3 Advice for firefighters

Special protective equipment when fighting fires:

No special measures required.

6. Measures in the case of unintentional release

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust build-ups.

Avoid skin and eye contact.

Ensure sufficient ventilation.

Do not inhale dust.

6.2 Environmental protection measures

Do not let the product enter the sewerage system, ground water, surface water or earth.

6.3 Methods and material for retention and cleaning

Collect mechanically.

6.4 Reference to other sections

For information on safe handling, see Chapter 7.

For information on personal protective equipment, see Chapter 8.

For disposal information, see Chapter 13.

7. Handling and storage

7.1 Protective measures for safe handling

Avoid dust build-ups.

Avoid skin and eye contact.

7.2 Information on fire and explosion protection

No special measures required.

7.3 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers:

Store only in unopened original containers.

Keep the containers closed tightly.

Joint storage information:

Do not store together with acids.

Additional information on storage conditions:

Always comply with the manufacturer's information on the storage conditions and lifespan.

Improper storage (ingress of moisture) or excess storage can cause a reduction in the impact of any chromate reducer and can lead to sensitivisation through skin contact.

Storage class:

VCI storage class: 13

Non-combustible solid matter.

Classification according to operating safety ordinance (BetrSichV): -

GiS Code: ZP1

7.4 Specific end applications

No other relevant information available.

8. Limitation and monitoring of the exposure/personal protective equipment

Additional information on the design of technical systems:

No further data, see Chapter 7.

8.1 Parameters to be monitored

Workplace limit values:

65997-15-1 Portland cement (10–25%)

WLV 5 E mg/m³

DFG

Perlite (2.5–10%)

WLV 0.3 A mg/m³

DFG, Y

Additional information

General dust limit value 3 (A) mg/m³. The exposure limit values were taken at the time of the compilation of valid TRGS 900.

8.2 Limitation and monitoring of exposure

Keep away from food, drinks and feed.

Take off soiled, saturated clothing immediately.

Do not inhale dust/smoke/mist.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or suffer from a cold during work.

After work and before breaks, ensure thorough skin cleaning.

Preventive skin protection through skin protection ointment.

After work, use a moisturising skin cream.

Personal protective equipment

Respiratory protection



Dust protection mask

When the exposition limit values are exceeded (e.g. possible during mixing), use a half mask FFP 1 (white), which can filter particles (see information sheet BGR 190).

Comply with the information sheet BGR 190 "Rules for the use of breathing protection devices" (BGR: Rules made by employers liability insurers)

Hand protection



Protective gloves

Use waterproof, friction-proof and alkali-resistant nitrile gloves, in accordance with BGR 195.

To minimise moisture in the glove created through sweat formation, gloves must be changed during a shift.

Comply with BGR 195 "Rules for the use of protective gloves" (BGR: Rules made by employers liability insurers)

Eye protection



Protective glasses

If there is dust creation or the risk of spraying, wear tightly fitting safety goggles.

Comply with BGR 192 "Rules for the use of eye and face protection" (BGR: Rules made by employers liability insurers)

Physical protection



Protective work clothing

Comply with BGR 189 "Rules for the use of protective clothing" (BGR: Rules made by employers liability insurers)

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: Powdery

Colour: Grey

Odour: Odourless

Melting point/melting range: N/A

Boiling point/boiling range: N/D

Ignition point: N/A

Self-ignition: This product does not self-ignite.

Risk of explosion: This product poses no risk of explosion.

Density (dry): Undetermined

Solubility/mixability in water: Slightly soluble

Solubility in organic solvents: 0.0 %

Solid matter content: 100.0%

9.2 Other data

No other relevant information available.

10. Stability and reactivity

10.1 Thermal decomposition

No decomposition if used correctly.

10.2 Conditions to avoid

No other relevant information available.

10.3 Incompatible materials

Avoid contact with acids.

10.4 Hazardous decomposition products

None with correct handling and storage.

11. Toxicological data

11.1 Data on toxicological effects

Acute toxicity

Primary irritant effect

- On the skin: Irritates the skin and mucus membranes.
- On eyes: Irritant effect

Sensitisation: Providing that the date of expiry of the product is not exceeded, a sensitising effect should not be expected.

Additional toxicological information:

Using the calculation method of the latest version of the General Classification Guideline for Preparations of the EC,

the product presents the following risks:

- Irritant

12. Environmental data

12.1 Toxicity

Aquatic toxicity

No other relevant information available.

12.2 Persistence and degradability

No other relevant information available.

12.3 Bioaccumulation potential

No other relevant information available.

12.4 Mobility in soil

No other relevant information available.

12.5 General information

Water hazard class 1 (self-categorisation): Slightly hazardous to water

Do not let the product enter the ground water, waterways or sewerage system, either undiluted or in large quantities.

13. Disposal information

13.1 Waste treatment method

Recommendation

Disposal according to official regulations.



May not be disposed of together with domestic waste. Do not let them enter the sewerage system.

Mix material with water and leave to harden.

Uncleaned packaging, recommendation

Disposal according to official regulations.

European Waste Catalogue

17 01 01 Concrete

14. Transport information

14.1 UN number

ADR, ADN, IMDG, IATA: N/A

14.2 Current UN shipment designation

N/A

14.3 Transport risk classes

ADR

Class N/A

Hazard label N/A

ADN/R class N/A

14.4 Packaging group

ADR, ADN, IMDG, IATA N/A

14.5 Special precautionary measures for the user

N/A.

14.6 Mass good transportation according to Appendix II of the MARPOL agreement 73/78 and according to the IBC code

N/A.

Additional transport information

ADR -

ADN -

Digit/letter: Not classified as dangerous goods.

UN "Model Regulation": -

15. Legal specification

15.1 Specifications regarding safety, health and environmental protection / specific legal specifications for the substance or the mixture

National specifications – Germany

Classification according to operating safety ordinance (BetrSichV): –

Water hazard class (self-categorisation) WGK 1 = Slightly hazardous to water

Other specifications, restrictions and banning ordinances:

BGR 189 "Rules for the use of protective clothing"

BGR 190 "Rules for the use of breathing protection devices"

BGR 192 "Rules for the use of eye and face protection"

BGR 195 "Rules for the use of protective gloves"

15.2 Chemical safety assessment

A chemical safety assessment was not carried out.

16. Other data

This data is provided according to our latest knowledge, but does not provide any guarantee of product properties and does not provide any legal guarantee.

Relevant statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

R37/38 Irritating to the respiratory system and skin.

R41 Risk of serious damage to eyes.

Literature details and data sources

- EC Directive 67/548/EEC and EC Directive 1999/45/EC
- Ordinance (EC) 1907/2006 (REACH)
- Ordinance (EC) 1272/2008
- National air limit values
- Transport regulations according to ADR, RID, IMDG, IATA, valid edition
- Internal data

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement

Concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)