



Trade name: **PYROMIX® MSX fire protection mortar**

Version: 2 Date of issue/Latest revision: Date of issue: 02, 06, 2023 Page: 1/(12)

> Date of revision: 08, 07, 2024 (Manufacturer) - / 23. 04. 2024

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

Product identifier: 1.1.

PYROMIX® MSX fire protection mortar

UFI: HW75-KFVW-T426-CSKC

Article number / Type: 7206058 / MSX-E1, 7206104 / MSX-S1

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

Relevant identified uses: Dry 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

REACH Registration of Chemicals GmbH

Tel.: +49 (0)700 24112112 (OBO) Tel.: +1 872 5888271 (OBO)

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.

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



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2.2. Label elements

Product identification: Trade name: PYROMIX® Dry mortar

Hazardous components: Portland cement

GHS Pictogram:

Signal word: **Danger**

Hazard statement:

H315 Causes skin irritation.H318 Causes serious eye damage.

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.

P103 Read carefully and follow all instructions.

Precautionary statements – Prevention:

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

Precautionary statements – Response:

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

P305 + P351+ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

P338 + P310 lenses, if present and easy to do. Continue rinsing. Immediately call a POISON

CENTER or doctor.

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

P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary statements – Storage: -

Precautionary statements – Disposal: -

Other liabilities for labelling:

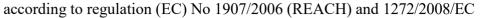
Tactile warning of danger and child-resistant fastening: Not required.

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.





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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 Eye Dam. 1 STOT SE 3	H315 H318 H335	10-<20

^{*}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, use soap. In case of persistent irritation,

get medical attention.

Eye contact: Flush eyes with plenty of water for 10-15 minutes. 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 individual specifications.

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

Causes skin irritation.

Causes serious eye damage.

Dust can mechanically irritate the eyes.

May cause respiratory irritation.

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

Treat symptomatically.

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



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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

According to the burning environment. Dry chemical powder, foam, carbon dioxide, water spray.

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 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.

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.

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

6.2. Environmental precautions:

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

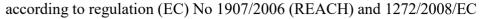
6.3. Methods and material for containment and cleaning up

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.





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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.

Ensure that eyewash stations are close to the workstation location.

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.

It must not come into contact with water.

Penetration into the soil must be safely prevented.

Keep away from food, drink and feed.

Storage temperature: no data.

7.3. Specific end use(s)

Dry mortar.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters:

		Occupational		Occupational		Notes
	CAS	Exposure Limit		Exposure Limit		
Substance	number V		Value (8-hour		(15-minute	
		refere	reference period)		nce period)	
		ppm	mg/m ³	ppm	mg/m ³	
Portland cement	65997-15-1	-	1 (R)	-	ı	-

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



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8.2. Exposure controls

Engineering control measures:

Adequate ventilation (general or local exhaust).

Personal protection:

(a) Eye/face protection Tight fitting safety goggles (EN 166).

(b) Skin protection

(i) Hand protection Chemical resistant gloves (ISO 374-1, EN 420, category 1 or 2).

Note: Manufacturer's directions for use and the conditions of

application should be observed.

(ii) Other Protective clothing.

(c) Respiratory protection Under normal conditions not required.

In case of dust formation, a respirator with a P2 filter is required.

(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

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: not applicable

1) Kinematic viscosity

at 40°C: not available

at 100°C: not available

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



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m) Solubility

Solubility in water: not soluble, or only slightly soluble

in water

Solubility in other solvents: not available Partition coefficient n-octanol/water (log value): not available

o) Vapour pressure: 0 hPa

p) Density and/or relative density: not available
 q) Relative vapour density: not available
 r) Particle characteristics: not available

9.2. Other information

VOC: 0 %

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
10.4. Conditions to avoid
10.5. Incompatible materials
Acids.

10.6. Hazardous decomposition products No dangerous decomposition products are formed under

normal conditions. Hazardous combustion products: See

Section 5.

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.

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. 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: Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.
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according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



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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.

12.2. Persistence and degradability No data for the product.

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): No data.

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: 17 01 01

Concrete.

Waste Identification Code: 10 13 11

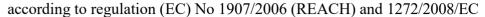
Wastes from cement-based composite materials other than those mentioned in 10 13 09 and

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.





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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.

SECTION 14: Transport information

Road/ Railway ADR/RID:

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





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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

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

H315 Causes skin irritation.
H318 Causes serious eve dan

H318 Causes serious eye damage. H335 May cause respiratory irritation.

Skin Irrit. 2 Skin corrosion/irritation Category 2

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

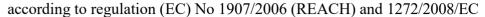
Waterways

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





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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
Ecx Effective Concentration x%

ErC50 EC50 in terms of reduction of growth rate

Edx 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

LCx Lethal Concentration x%

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

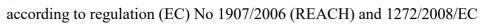
SVHC Substance of Very High Concern

UVCB substance of unknown or variable composition, complex reaction products or biological

materials

VOC Volatile organic compounds

vPvB Very Persistent and very Bio-accumulative





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Revision Indicators:						
Section	Subject of change	Date	Version			
2.2.	Label elements	08. 07. 2024	2			
2.3., 12.5.	Results of PBT and vPvB assessment					
2.3., 11.2.,						
12.6.	Endocrine disrupting properties					
3.2.	Composition/information on ingredients					
8.2	Exposure controls					
9.	Physical and chemical properties					