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

1.1. Product identifier:
PYROMIX® MSX fire protection mortar
Product code / Type: 7206058, 7206104 / MSX-E1, MSX-S1

1.2. 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
For urgent medical advice, call NHS 111 (available 24 h).
For healthcare professionals (UK only): call the National Poisons Information Service (NPIS)

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.

2.2. Label elements

Product identification: Trade name: **PYROMIX® MSX fire protection 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+ 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 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.

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.

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.

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:

Substance	CAS number	Long-term exposure limit (8-hour -TWA reference period)		Short-term exposure limit (15-minute reference period)		Comments The Carc, Sen and Sk notations are not exhaustive
		ppm	mg/m^3	ppm	mg/m^3	
Portland cement	65997-15-1	-	10	-	-	-
inhalable dust		-	4	-	-	-
respirable dust						

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
l)	Kinematic viscosity	
	at 40°C:	not available
	at 100°C:	not available

m)	Solubility	
	Solubility in water:	not soluble, or only slightly soluble in water
	Solubility in other solvents:	not available
n)	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	Not known.
10.4.	Conditions to avoid	Moisture.
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.
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.
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.

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	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

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

H315	Causes skin irritation.
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

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

Revision Indicators:

Section	Subject of change	Date	Version
2.2. 2.3., 12.5. 2.3., 11.2., 12.6. 3.2. 8.2 9.	Label elements Results of PBT and vPvB assessment Endocrine disrupting properties Composition/information on ingredients Exposure controls Physical and chemical properties	08. 07. 2024	2
1.1. 1., 2., 1.3.	Product code, type Product name Details of manufacturer	31. 07. 2025	2.1.