

SAFETY DATA SHEET

mira 6870 fibreplaster

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

1.1. Product identifier

Trade name

mira 6870 fibreplaster

Product no.

2213991

Unique formula identifier (UFI)

CU0M-K03C-X00P-8RN8

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

▼ Relevant identified uses of the substance or mixture

None known.

▼ Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

mira byggeprodukter a/s

Egegårdsvej 2

4621 Gadstrup

+45 46 19 19 46

www.mira.eu.com

Contact person

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E-mail

info@mira.eu.com

Revision

07/11/2022

SDS Version

2.0

Date of previous version

17/05/2021 (1.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.

Eye Dam. 1; H318, Causes serious eye damage.

STOT SE 3; H335, May cause respiratory irritation.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

▼ Hazard statement(s)

- Causes skin irritation. (H315)
- Causes serious eye damage. (H318)
- May cause respiratory irritation. (H335)

Safety statement(s)

▼ General

Keep out of reach of children. (P102)

▼ Prevention

- Wear protective gloves/protective clothing/eye protection/face protection. (P280)
- Avoid breathing dust. (P261)

▼ Response

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
- IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)

Storage

-

▼ Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

▼ Hazardous substances

- Cement, portland
- Flue dust, portland cement

▼ Additional labelling

UFI: CU0M-K03C-X00P-8RN8

2.3. Other hazards

▼ Additional warnings

The product contains quartz; working processes in which respirable quartz dust can be developed are covered by the EU cancer Regulation.
This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

SECTION 3: Composition/information on ingredients

3.2. ▼ Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|----------------------------|---------------------|--------|---|------|
| Cement, portland | CAS No.: 65997-15-1 | 15-25% | Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Dam. 1, H318 STOT SE 3, H335 | |
| | EC No.: 266-043-4 | | | |
| | UK-REACH: | | | |
| | Index No.: | | | |
| Flue dust, portland cement | CAS No.: 68475-76-3 | 3-5% | Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335 | |
| | EC No.: 270-659-9 | | | |
| | UK-REACH: | | | |
| | Index No.: | | | |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

Chromium-reduced Portland cement has been used, which ensures that the content of water-soluble chromium Cr (VI) is below 2 mg / kg for a minimum of 10 months from the packing date, under dry and normal storage conditions.

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

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

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

▼ Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 30 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

▼ Burns

Not applicable.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. ▼ Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Sulphur oxides

Carbon oxides (CO / CO₂)

Some metal oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
Avoid direct contact with spilled substances.
- 6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
- 6.3. ▼ Methods and material for containment and cleaning up
Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.
- 6.4. ▼ Reference to other sections
See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid direct contact with the product.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.
- 7.2. Conditions for safe storage, including any incompatibilities
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Powder trickling out onto the floor or onto other containers must be prevented.
Recommended storage material
Always store in containers of the same material as the original container.
Storage temperature
Store in a closed original container in a dry and well-ventilated place.
Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.
- 7.3. Specific end use(s)
This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. ▼ Control parameters

—
Cement, portland
Long term exposure limit (8 hours) (mg/m³): 10(inhalable)/4(respirable)



The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

Calcium diformate

| Duration | Route of exposure | DNEL |
|------------------------------|-------------------|-----------------------|
| Long term – Systemic effects | Dermal | 4780 mg/kg |
| Long term – Systemic effects | Inhalation | 337 mg/m ³ |

▼ PNEC

No data available.

8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

If possible, avoid working processes where respiratory quartz dust may be developed.
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

In connection with work processes in which respirable quartz dust can be developed e.g. when cutting and drilling in concrete, extracted air must not be recycled according to EU Cancer Regulation.

▼ Hygiene measures

Take off contaminated clothing and wash it before reuse.

▼ Measures to avoid environmental exposure


No specific requirements.

8.3. Individual protection measures, such as personal protective equipment

▼ Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

| Type | Class | Colour | Standards |
|---|-------|--------|--|
| For dusty work use a dust mask with particle filter P2. | | |  |


Skin protection

| Recommended | Type/Category | Standards |
|--|---------------|-----------|
| Remove soiled clothing and wash skin thoroughly with soap and water when work is complete. | | |

Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards |
|--|----------------------|--------------------------|---|
| Protective gloves made of eg PVC, neoprene and vinyl | | |  |

Eye protection

| Type | Standards |
|----------------|---|
| Safety glasses |  |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form

Powder

Colour

Gray

▼ Odour

Testing not relevant or not possible due to the nature of the product.

▼ Odour threshold (ppm)

Testing not relevant or not possible due to the nature of the product.

pH

11 - 13 (20°C)

▼ Density (g/cm³)

1450000

Viscosity

Does not apply to solids.

Phase changes

▼ Melting point (°C)

Testing not relevant or not possible due to the nature of the product.

Boiling point (°C)

Does not apply to solids.

▼ Vapour pressure

Testing not relevant or not possible due to the nature of the product.

Vapour density

Does not apply to solids.

▼ Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

Evaporation rate (n-butylacetate = 100)

Data on fire and explosion hazards

Flash point (°C)

Does not apply to solids.

▼ Ignition (°C)

Testing not relevant or not possible due to the nature of the product.

▼ Auto flammability (°C)

Testing not relevant or not possible due to the nature of the product.

Explosion limits (% v/v)

Does not apply to solids.

▼ Explosive properties

Testing not relevant or not possible due to the nature of the product.

▼ Oxidizing properties

Testing not relevant or not possible due to the nature of the product.

Solubility

▼ Solubility in water

Testing not relevant or not possible due to the nature of the product.

▼ n-octanol/water coefficient

Testing not relevant or not possible due to the nature of the product.

▼ Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. ▼ Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. ▼ Possibility of hazardous reactions

None known.

10.4. ▼ Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

| | |
|--------------------------|-------------------------------|
| Product/substance | Calcium diformate |
| Test method | |
| Species | Rat |
| Route of exposure | Oral |
| Test | LD50 |
| Result | 2650 mg/kg |
| Other information | |
| Product/substance | White mineral oil (petroleum) |
| Test method | |
| Species | Rat |
| Route of exposure | Oral |
| Test | LD50 |
| Result | 5000.00 mg/kg |
| Other information | |
| Product/substance | White mineral oil (petroleum) |
| Test method | |
| Species | Rabbit |
| Route of exposure | Dermal |
| Test | LD50 |
| Result | 2000.00 mg/kg |
| Other information | |
| Product/substance | White mineral oil (petroleum) |
| Test method | |
| Species | Rat |
| Route of exposure | Inhalation |
| Test | LC50 (4 hours) |
| Result | 5000.00 mg/m ³ |
| Other information | |

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

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

▼ Skin sensitisation

May cause an allergic skin reaction.

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.

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Other information

Sand has been classified by IARC as a group 1 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

| | |
|--------------------------|-------------------|
| Product/substance | Calcium diformate |
| Test method | |
| Species | Fish |
| Compartment | |
| Duration | 48 hours |
| Test | LC50 |
| Result | >1000 mg/L |
| Other information | |
| Product/substance | Calcium diformate |
| Test method | |
| Species | Daphnia |
| Compartment | |
| Duration | 48 hours |
| Test | EC50 |
| Result | >1000 mg/L |
| Other information | |
| Product/substance | Calcium diformate |
| Test method | |

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

| | |
|--------------------------|-------------------------------|
| Species | Algae |
| Compartment | |
| Duration | 72 hours |
| Test | EC50 |
| Result | >1000 mg/L |
| Other information | |
| Product/substance | White mineral oil (petroleum) |
| Test method | |
| Species | Fish |
| Compartment | |
| Duration | 96 hours |
| Test | LC50 |
| Result | 1000.00 mg/L |
| Other information | |
| Product/substance | White mineral oil (petroleum) |
| Test method | |
| Species | Algae |
| Compartment | |
| Duration | 72 hours |
| Test | |
| Result | 100.00 mg/L |
| Other information | |
| Product/substance | White mineral oil (petroleum) |
| Test method | |
| Species | Daphnia |
| Compartment | |
| Duration | 48 hours |
| Test | |
| Result | 100.00 mg/L |
| Other information | |

12.2. Persistence and degradability

| | |
|--------------------------|-------------------------------|
| Product/substance | White mineral oil (petroleum) |
| Biodegradable | Yes |
| Test method | |
| Result | 60% |

- 12.3. ▼ Bioaccumulative potential
No data available.
- 12.4. Mobility in soil
Calcium diformate
LogKoc = 1.49, High mobility potential.
- 12.5. Results of PBT and vPvB assessment
This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.
- 12.6. ▼ Other adverse effects
None known.

SECTION 13: Disposal considerations

- ▼ Waste treatment methods
Product is covered by the regulations on hazardous waste.
HP 4 - Irritant (skin irritation and eye damage)
HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 13 - Sensitising
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
- EWC code
 - 17 09 03 Other construction and demolition wastes (including mixed wastes) containing dangerous substances - Unhardened material
 - 17 09 04 Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03 - Fully hardened material
- ▼ Specific labelling
Not applicable.
- Contaminated packing
Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

▼

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information |
|------|--------------|------------------------------|-----------------------|----------|------------|-------------------|
| ADR | - | - | - | - | - | - |
| IMDG | - | - | - | - | - | - |
| IATA | - | - | - | - | - | - |

* Packing group
** Environmental hazards

- ▼ Additional information
Not dangerous goods according to ADR, IATA and IMDG.
- 14.6. ▼ Special precautions for user
Not applicable.
- 14.7. ▼ Transport in bulk according to Annex II of Marpol and the IBC Code
No data available.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

▼ Restrictions for application

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

▼ Demands for specific education

No specific requirements.

▼ SEVESO - Categories / dangerous substances

Not applicable.

▼ Additional information

Not applicable.

▼ Sources

The Management of Health and Safety at Work Regulations 1999.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

▼ SECTION 16: Other information

▼ Full text of H-phrases as mentioned in section 3

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

H335, May cause respiratory irritation.

▼ Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

▼ Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

▼ The safety data sheet is validated by

Reyhaneh R. Kanafi

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en