

Trade Name: EUCOPROOF CEM PLUG XF
Version: 1
Revision Date: 24.08.2020

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

1.1. Product identifier

EUCOPROOF CEM PLUG XF

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

Use of the substance/mixture

The product is intended for professional use. Building and construction work. Mortar from special cements.

Uses advised against

No identified use(s).

1.3. Details of the supplier of the safety data sheet

EUCCHEM BV
ESPERANTOLAAN 13/7
B-3300 TIENEN
BELGIUM
Tel.: +32.16.81.11.52
E-Mail: office@eucochem.com

1.4. Emergency telephone number

+32 70 245 245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin corrosion/irritation	Category 2	H315
Serious eye damage/eye irritation	Category 1	H318
Specific target organ toxicity (single exposure)	Category 3	H335

For full text of Hazard- and EU Hazard-statements: see SECTION 16

2.2. Label elements

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

Hazard components for labelling

Cement, Portland, chemicals (Chromium VI reduced)
Calcium oxide
Flue dust
Cement Portland

Signal word: Danger

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Hazard pictograms



Hazard statements

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

Precautionary statements

P261	Avoid breathing dust
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	Immediately call a POISON CENTER or a doctor.
P332+P313	If skin irritation occurs: Get medical advice/attention.

2.3. Other hazards

Product dust may be irritating to eyes, skin and respiratory system. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease.

2.4. Additional information

Cement product for which the amount of chromium VI was decreased to < 0,0002 % by a reduction agent (related to the total dry weight).

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

SECTION 3: Composition / information on ingredients

3.1. Substances

Chemical characterization

Mixture of cement, mineral additives and additives.

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Hazardous components

CAS No	EC No.	Chemical name / Classification	Qty.
65997-15-1	266-043-4	Cement, Portland, chemicals (Chromium VI reduced)	> 25 - < 40 %
		Skin Irrit. 2, H315; Eye Dam. 1; H318; STOT SE 3, H335	
1305-78-8	215-138-9	Calcium oxide REACH registration number: 01-2119475325-36	5 - < 10 %
		Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335	
68475-76-3	270-659-9	Flue Dust, Portland Cement REACH registration number: 01-2119486767-17	1 - < 2.5 %
		Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335	

For full text of Hazard- and EU Hazard-statements: see SECTION 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59).

SECTION 4: First aid measures

4.1. Description of first aid measures

General notes

If medical advice is needed, have product container, label or safety data sheet at hand.

Following eye contact

Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. Consult a physician in case of symptoms.

Following skin contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

Following ingestion

Do NOT induce vomiting. Clean mouth with water. Drink 1 or 2 glasses of water. Call a doctor or poison control centre immediately.

Self-protection to the first aider

Pay attention to self-protection!

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

Causes serious eye damage. Inhalation of dust in high concentration may cause irritation of respiratory system. Irritating to skin.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Full water jet. Do not scatter spilled material with high pressure water streams.

5.2. Specific hazards arising from the chemical

Non-combustible.

5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Do not breathe dust. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

6.2. Environmental precautions

Prevent product from entering drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Cover powder spill with plastic sheet or tarp to minimise spreading and keep powder dry. Prevent dust cloud. Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

For advice on safe handling: see SECTION 7.

For advice on protective measures: see SECTION 8.

For advice on disposal: see SECTION 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation. Avoid generation of dust. Do not breathe dust. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

General hygiene considerations

Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash hands and face before breaks and immediately after handling the product. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Keep the packing dry and well-sealed to prevent contamination and absorption of humidity. After absorption of moisture or exceeding the shelf life the reducing agent for chromate will lose its efficiency and sensitisation by skin contact may occur.

Storage class (TRGS 510): 13 (non-flammable solids which cannot be assigned to any of the above-mentioned storage classes)

7.3. Specific end use(s)

Building and construction work

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Exposure Limits

AGW (Germany): 1 mg/m³ (inhalable fraction for Calcium Oxide) - Peak limitation: 2 (I) - Remark Y

AGW (Germany): 10 mg/m³ (inhalable fraction for Dust) - Peak limitation: 2 (II)

AGW (Germany): 1.25 mg/m³ (alveolar particles for Dust) - Peak limitation: 2 (II)

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

The usual precautionary measures for the handling of chemicals have to be observed. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Remove contaminated, saturated clothing immediately. Avoid contact with skin, eyes and clothes.

Eye/face protection

Use tight sealing safety glasses in accordance with EN 166.

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Respiratory protection

Avoid generation of dust. Respiratory protection is necessary at insufficient ventilation. Suitable respiratory protection apparatus: Particle filter device (DIN EN 143): Particle filter - type P2 (medium capacity - colour code: white) or particle filter - type P3 (high capacity - colour code: white). For short term use: Protecting mask against dust.

Skin/body protection

Wear suitable protective clothing.

Hand protection

Wear suitable gloves. Gloves must conform to standard EN 374. Recommended Use: Nitrile rubber. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Unsuitable materials: Leather, disposable gloves.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid
Appearance:	powder
Colour:	grey
Odour:	characteristic slight
Bulk density:	approx. 1.4 - 1.5 g/cm ³
pH:	> 11
Water solubility:	reacts with water
Solid content:	100 %
VOC:	0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Product cures with moisture.

10.2. Chemical stability

Product is stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

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Product cures with moisture.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidising agents.

10.6. Hazardous decomposition products

None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Data for the product

Following inhalation

Inhalation of dust in high concentration may cause irritation of respiratory system.

Following skin contact

Causes skin irritation.

Following eye contact

Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics

Redness, burning. May cause blindness. May cause redness and tearing of the eyes.

Data for Calcium oxide

Acute toxicity

Route: oral

Dose: LD50 > 2.000 mg/kg

Species: Rat

Route: dermal

Dose: LD50 > 2.500 mg/kg

Species: Rabbit

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye 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.

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Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity (single exposure)

May cause respiratory irritation.

Specific target organ toxicity (repeated exposure)

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

Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity

Data for Calcium oxide

Aquatic toxicity

Acute toxicity to fish

LC50 - 50,6 mg/l

Species: Oncorhynchus mykiss

Duration: 96 h

Acute toxicity to algae / aquatic plants

EC50 - 106,02 mg/l

End point: growth rate

Species: green algae

Test type: static

Duration: 72 h

Method: OECD Test Guideline 201

GLP: yes

Acute toxicity to crustacea

EC50 - 49,1 mg/l

Species: Daphnia magna

Duration: 48 h

Method: OECD Test Guideline 202

Acute toxicity to micro organisms

EC50 - 229,2 mg/l

Species: Bacteria

Test type: static

Duration: 3 h

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Method: OECD Test Guideline 209
GLP: yes

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal

May be disposed after solidification in accordance with local official regulations. Waste codes / waste designations according to EWC: 17 09 04: Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03.

Appropriate disposal / Package

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

Additional information

The classification of waste for this product may change according to the field of its application. Please observe Directive 2001/118/EC.

SECTION 14: Transport information

14.1. Land transport (ADR(RID))

No dangerous good in sense of these transport regulations.

14.2. Inland waterways transport (ADN)

No dangerous good in sense of these transport regulations.

14.3. Marine transport (IMDG)

No dangerous good in sense of these transport regulations.

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14.4. Air transport (IATA)

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken. Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work.

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration ≥ 0.1 %.

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction: Cement, Portland, chemicals (Chromium VI reduced), CAS no. 65997-15-1, item 47.

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

This product does not contain substances subject to authorisation.

Water contaminating class

Water contaminating class: 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments have been carried out by the REACH registrants for substances registered at >10 tpa. No chemical safety assessment has been carried out for this mixture.

SECTION 16: Other information

Relevant H-statements (number and full text)

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

Additional information

The information contained in this document is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. The customer must inspect and test our products before use, and satisfy themselves as to the contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from any

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