

Safety Data Sheet

According to Regulation (EC) NO 1907/2006 (REACH)

CEMEX Research Group AG, Römerstrasse 13, CH-2555 Brügg

Trade name: **PCE N°5**

Printed date: 03.12.2019

Revision date: 03.12.2019

Edition n°: 1,0

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PCE finder

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1. Identification of the substance/preparation and of the company/undertaking

- 1.1 Trade name: PCE N°5
- 1.2 Use of the substance / preparation: Concrete and Mortar Admixtures
- 1.3 Company/supplier/downstream user:
CEMEX Research Group AG
Römerstrasse 13
2555, Brügg BE, SWITZERLAND
Telephone: +41 32 366 78 93
E-Mail technical person: julien.chapelat@cemex.com
- 1.4 Emergency telephone in Switzerland (in other country please consult local emergency numbers):
+41 / (0) 32 366 78 93 (Mo. - Th. 8.00 h - 16.00h / Fr. 8.00 h - 13.00h)

2. Hazards identification

- 2.1 Classification:
The preparation is not dangerous in the sense of guideline 1999/45/EG.
- 2.2 Information pertaining to special dangers for human and environment:
This product is not regarded as harmful. However, the usual precautionary measures for handling chemicals should be observed.

3. Composition/information on ingredients

- 3.1 Chemical characterisation (preparation):
Polycarboxylate ether sodium salt in aqueous solution.

4. First aid measures

- 4.1 General information:
Change contaminated, saturated clothing.

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4.2 In case of skin contact:

Wash immediately with plenty of water.

4.3 In case of eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. Seek medical advice if irritation persists.

4.4 In case of ingestion:

Rinse mouth thoroughly with water.

4.5 Information to physician:

Treat symptomatically.

5. Fire-fighting measures

5.1 Suitable extinguishing media:

Not relevant. Product is non-flammable.

5.2 Extinguishing media which must not be used for safety reasons:

n.a.

5.3 Special protective equipment for fire-fighters:

The usual precautionary measures are to be observed when handling chemicals.

6. Accidental release measures

6.1 Personal precautions:

Avoid contact with skin, eye and clothing.

6.2 Environmental precautions:

Do not allow to enter sewage system or water.

6.3 Methods for cleaning up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Small amounts rinse away with water.

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7. Handling and Storage

7.1 Handling

7.1.1 Advices on safe handling:

The usual precautionary measures for handling chemicals should be observed.

7.2 Storage

7.2.1 Requirements for storage rooms and vessels:

Protect product from frost, heat and direct sunlight.

8. Exposure controls / Personal protection

8.1 Additional information on plant design:

See section 7. No additional measures necessary.

8.2 General health and safety measures:

Wash hands before breaks and after work.

Avoid contact with skin, eye and clothing.

Respiratory protection:

Personnel respiratory protection is not necessary.

Eye protection:

Eye glasses with side protection.

Hand protection:

Safety gloves consisting of a material with permeation time of > 480 min.

Suitable safety gloves according to EN 374 (examples):

Disposable gloves made of nitrile, e.g. Dermatril by KCL (layer thickness 0,11 mm),

Safety gloves made of natural-rubber latex, e.g. combination latex by KCL (layer thickness 1mm)

or gloves by other manufacturers with equal effect of protection.

9. Physical and chemical Properties

9.1 Appearance:

Form: liquid

Colour: light brown

Odour: n.d.

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9.2. Safety relevant data

Type	Value	Method
pH (20 °C):	6.1 ± 0,2	ISO 4316
Change of state:		
Boiling temperature:	approx. 100 °C	
Flash point/range:	not determined	
Flammability:	not determined	
Ignition temperature:	not determined	
Auto ignition temperature:	not relevant	
Density at 20 °C:	1,08 ± 0,02 g/cm ³	ISO 758
Solubility:	water-soluble	

10. Stability and Reactivity

10.1 **Conditions to avoid:**
Protect product from frost.

10.2 **Materials to avoid:**
none

11. Toxicological information

11.1 **Acute toxicity:**
LD 50 / oral > 2000 mg/kg (rat)
Data apply to technical active ingredient.

11.2 **Practical experience:**
Sensitising effect unknown.

12. Ecological information

12.1 **Eco-toxicity:**
EC 50 / > 100 mg/l, period 96 h

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Data apply to technical active ingredient.

13. Disposal considerations

13.1 Preparation:

Dispose of waste according to applicable local, state, and federal regulations.

13.2 Uncleaned Packaging:

Dispose of waste according to applicable local, state, and federal regulations.

14. Transport information

No dangerous good in sense of this transport regulation.

15. Regulatory information

15.1 Labelling (EG-Legislation)

The product is not subject to specific labelling under current EU regulations or national laws.

15.2 National regulations:

Water hazard class (WGK):

Weakly water-endangering (WGK 1).

16. Other information

This safety data sheet was prepared according to appendix II of the REACH-Regulation (EG) No. 1907/2006.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

n.a.: not applicable

Italic script: Data change to previous version