

Date: 3.4.2023**1. Identification of the chemical substance (preparation), manufacturer and supplier****1.1. Identification of the hazardous chemical (preparation)**Business name: **CEVAMIT, summer and winter type**Cevamite summer - CEVAMIT-L
for use at temperatures from +10°C to 40°CCevamit winter - CEVAMIT-Z
for use at temperatures from - 5 °C to + 10 °C

Chemical name: Calcium oxide

1.2. Identification of the manufacturerBusiness name: **CALMIT, spol. s r.o.** Bratislava, plant Margecany

Place of business: 055 40 Margecany, Slovak Republic

ID: 36172162

1.2.1. Distributor**Lukáš Urbanec**

Michálkovická 2098/86B, 710 00 Ostrava, Czech Republic

ID: 70008175

Phone: +420 603 357 606

E-mail: info@cevamit.cz**1.3. Name and address of the organisation providing information on emergencies****Toxicology Information Centre**Na Bojišti 1, 120 00 Prague 2, tel: +420 224 919 293, +420 224 915 402, e-mail: tis@vfn.cz**2. Information on hazardous chemicals and hazardous chemical preparations**

2.1 Composition: the composition of calcium oxide is specified in PRN 72 24 61.

2.2. Dangerous ingredient:

CAS number: 130 - 578 - 8

EC number (EINECS): 215 - 138 - 9

2.2.2. Chemical name of the constituent: calcium oxide - CaO

2.2.3. Concentration:

according to PRN 72 24 61 2.2.4.

Hazard symbol: C R phrases: 34/37/38/41

S - sentences: 2/22/24/25/26/36/37/38/39

3. Hazard identification

The most serious side effects of the product used:

- a) protect the mixture from moisture
- b) Wear goggles and gloves when working with the mixture.
- c) Do not leave the suspension prepared from the mixture of CEVAMIT and water in the container, but fill it into the corkscrew as soon as possible (within 15 minutes at the latest).
- (d) should the suspension start to burn violently during mixing, it should be completely diluted with water and poured out of the work area.
- e) cover the holes if their diameter is larger or if the temperature of the system to be disconnected is very high.
- f) prevent unauthorized persons from entering the area where the wells are being backfilled by suspending CEVAMIT
- g) not to search in filled boreholes. In extreme cases (high temperature of the solid system or imperfectly mixed suspension of cevamite) part of the suspension could be blown out of the borehole.

The most significant adverse environmental effects of using the product:

None known.

Possible misuse of the product: Not known.

4. Instructions for first aid

- 4.1. General instructions.
- 4.2. When you bloat: Leave the exposed workplace as quickly as possible, we can prevent re-breathing by breathing through a respirator. Rinse your mouth.
- 4.3. If the suspension comes into contact with the skin, rinse the affected area with a stream of clean water for at least 5 minutes and wash with soap. Treat the skin with a suitable regenerating cream.
- 4.4. In case of eye contact: Rinse with a stream of clean water for at least 10 minutes and then use pine water and ophtal to rinse.



- 4.5. If swallowed: rinse the oral cavity with water, drink 0.5 l of water and induce vomiting.
- 4.6. Further details: if symptoms of any disability (irritation) caused by contact with the product do not disappear even after first aid, seek medical attention.

5. Fire protection measures

The product is not flammable.

6. Measures in case of chemical spill - emergency situation

- 6.1. Personal precautions: skin and eye contact with the product should be avoided.
- 6.2. Environmental protection: Uncontrolled runoff from mixing. product with water should be prevented. Runoff to drains should be prevented.
- 6.3. Method of disposal: dry mechanical disposal. After contact with water, the product can be disposed of as other waste.

7. Handling and storage

- 7.1. Handling: normal safety regulations must be observed when handling this product.
- 7.2. Storage: store in a dry environment, protect from moisture. If the product is packed on pallets, stack no more than 2 pallets on top of each other.

8. Exposure control and personal protection

- 8.1. Technical measures: It is recommended to ensure that filtration equipment is available at the workplace to extract spills, discharges and other critical areas, or at least to provide adequate ventilation.
- 8.2. Air and workplace limit concentrations: not specified.
- 8.3. Personal protective equipment:
 - 8.3.1. Special instructions: care must be taken to observe the usual precautions for health protection when handling chemicals, in particular avoid contact with the eyes. Do not eat, drink or smoke while working. Wash your hands with warm water and soap after work. Treat the skin with suitable regenerative agents.
 - 8.3.2. Respiratory protection: protective respirator
 - 8.3.3. Hand protection: protective gloves
 - 8.3.4. Eye protection: safety glasses
 - 8.3.5. Skin protection: protective clothing

9. Physical and chemical properties



- 9.1. Physical state, appearance, colour, odour: Solid, white, odourless powder
- 9.2. pH value: only after mixing with water pH 11,0 - 13,5
- 9.3. Information on changes in physical status:
 - 9.3.1. Boiling point: not specified
 - 9.3.2. Melting point: not specified
 - 9.3.3. Decomposition temperature: not determined
- 9.4. Flash point: not determined
- 9.5. Flammability: not flammable
- 9.6. Susceptibility to spontaneous combustion: not determined
- 9.7. Explosive properties
 - (a) lower explosive limit: not known
 - (b) upper explosive limit: not known
- 9.8. Oxidation properties: not known
- 9.9. Vapour pressure: not known
- 9.10. Specific gravity: 3.4 . 103 kg/m³
- 9.11. Solubility: in water, fats and other solvents: not known
- 9.12. Partition coefficient a-octane/water: not known
- 10. Stability and reactivity**
 - 10.1. Conditions to avoid: Under normal conditions the product is stable, uncontrolled contact with water should be avoided.
 - 10.2. Materials to avoid: Unknown.
 - 10.3. Hazardous decomposition products: Heat development on contact with water.

11. Toxicological information

The product is corrosive and irritant in nature. In dust form, even when mixed with water, it is irritating to the eyes, respiratory organs and skin. May cause serious eye damage and skin



burns. The results of further toxicological tests are unknown; long-term experience shows that the product does not cause any toxic effects or occupational diseases.

12. Ecotoxicological information

No adverse ecotoxic effects of the product on the environment have been identified and demonstrated. Only in the case of unintentional release of large quantities of the product into water sources or streams, ecotoxic effects due to elevated pH values may occur.

13. Disposal conditions

13.1. Methods of disposal of the product: The product can be reused after dry trapping. After contact with water it can be disposed of as other waste (waste from lime burning or lime extinguishing).

13.2. Methods of disposal of contaminated waste Can be disposed of as other waste according to the Packaging Waste Act: 223/2001.

14. Transport

The product is transported to its destination by land transport (road and rail) ADR/RID is not indicated. According to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) and the International Regulations concerning the Transport of Dangerous Goods by Rail, Cevamit as dangerous goods is not covered by the provisions of these documents. In accordance with the Decree of the Ministry of Foreign Affairs of the Slovak Republic No 64/1987 Coll.

15. Regulatory information

15.1. Information on the label:

15.1.1. Letter code and hazard symbol of the product



Corrosive



Irritating

15.1.2. R - sentences:

R 34	Causes scalding
R 37	Irritating to the respiratory system
R 38	Irritating to the skin

R 41 Danger of serious eye damage

15.1.2. S - sentences:

S 2 Keep out of reach of children

S 22 Do not breathe dust

S 24 Avoid contact with skin

S 25 Avoid contact with eyes

S 26 In case of eye contact, flush immediately with plenty of water and seek medical attention.

S 36 Wear suitable protective clothing when working

S 37 Wear suitable gloves.

S 38 In case of insufficient ventilation, use a suitable respirator

S 39 Wear eye/face protection.

16. Further information

The safety data sheet must contain the information necessary to ensure occupational health and safety and environmental protection. The information given shall correspond to the current state of knowledge and experience. They cannot be taken as a guarantee of the suitability and applicability of the product for its particular use.