

SAFETY DATA SHEET

Complies with Regulation (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and is appropriately labelled in accordance with Regulation (EC) No 1272/2008 (CPL)

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier Item

BETOON C40

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

cementitious mortar
recommended use – construction

1.3. Details of the supplier of the safety data sheet

Manufacturer Uninaks AS
Valuste tee 1
90303 Lihula
Pärnumaa
Phone number: +372 656 57 44
E-mail: uninaks@uninaks
www.uninaks.ee

Date: 03.02.2024

1.4. Emergency phone number and name

General phone number 112
Poison Centre (www.16662.ee)
Phone number: 16662
Open 24/7
When calling from abroad, phone number +372 79 43 794

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

About hazard pictograms



Signal word

Caution

Hazard statements

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Causes skin irritation. (H315)

Causes serious eye damage. (H318)

May cause respiratory irritation. (H335)

Precautionary statements

General

Keep out of reach of children. (P102)

Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

Avoid breathing dust. (P261)

About 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 CENTRE/doctor. (P301+P310)

About storage

About disposal. Dispose of contents/container in accordance with local regulations. (P501)

2.3. Other hazards

After mixing the product with water, it becomes corrosive. If wet cement or mortar comes into contact with the skin due to seeping into a worker's shoes, gloves or protective clothing, it can result in skin irritation. The product contains quartz; for work processes that may generate respirable quartz dust. The mixture/product does not contain substances that meet the conditions required for classification as PBT and/or vPvB. This product does not contain substances that are considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Does not apply, the product is mixed together.

3.2. Mixtures

The product contains cement. The product has a chromium (VI) content that remains below the permitted limit of 2 mg/kg in unopened packaging for 12 months.

CAS No.	EINECS	Chemical name	Concentration	Classification
65997-15-1	266-043-4	Portland cement	ca 30%	CLP: STOT SE 3; H335 Skin.irrit.2; H315 Eye dam.1; H318
1305-62-0	215-137-3	Slaked lime	ca 0,5%	CLP: STOT SE 3; H335 Skin.irrit.2; H315

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General information: In case of an accident, contact a doctor or emergency department and show the product label or chemical safety data sheet. A National Poison Centre may be contacted. Seek medical attention if there is any doubt about the victim's condition or if symptoms persist. Never give water or other fluids to an unconscious person!

Inhalation: Keep still. Go to fresh air. If necessary, administer oxygen or perform artificial respiration. Stay with the victim. If symptoms persist, seek medical advice. Show the doctor the product safety data sheet.

Skin contact: Take off dirty clothes and footwear. Skin that comes into contact with wet cement should be washed immediately with large amounts of cool, clean water. If irritation worsens or persists, seek medical attention. Show the doctor the product safety data sheet.

Eye contact: In case of contact, remove contact lenses and immediately flush the skin with plenty of warm (20–30 °C) water for 30 minutes, including under eyelids. Seek medical attention immediately.

Ingestion: If the person is conscious, rinse their mouth with water and stay with the person. In case of loss of consciousness: seek medical attention immediately and take the relevant product safety data sheet or label with you.
Do not induce vomiting unless advised to do so by a doctor. Place the victim's head in a position that prevents stomach contents from flowing back into the mouth or throat.

Burn: Not applicable.

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

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Workers using cement can develop a chromium allergy, with symptoms ranging from a mild rash to severe skin ulcers. In addition to skin reactions, hexavalent chromium can cause occupational asthma. Symptoms include wheezing and difficulty breathing. Workers may develop both skin and respiratory allergies to hexavalent chromium. The product contains substances harmful to the eyes. Contact with substances may cause irreversible effects on the eyes or serious eye damage.

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

In case of exposure or suspected exposure: Seek medical attention immediately.

Information for medical professionals

Take this safety data sheet or product label with you.

SECTION 5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Non-combustible material.

5.2. Special hazards arising from the substance or mixture

Non-combustible material.

5.3. Advice for firefighters

Non-combustible material.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use protective gloves, mask and goggles.

6.2. Environmental precautions

Avoid entry into lakes, waterways and sewers.

6.3. Prevention and cleaning methods and equipment

Carefully collect the spilled material. Moisten the material with water to prevent dust formation and spread. If possible, clean with conventional cleaning agents. Avoid solvents.

6.4. Reference to other sections

For waste handling see Section 13 "Disposal considerations".

For protective measures, see Section 8 "Exposure controls / personal protection".

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, eating, drinking and storing tobacco, food and beverages in the room is prohibited. For personal protective equipment, see Section 8 "Exposure controls / personal protection".

7.2. Conditions for safe storage, including any incompatibilities

Store the product in closed bags in a dry interior. Avoid contact with moisture.

7.3. Specific end use(s)

This product may only be used for the purposes described in section 1.2.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

No substances are included in the list of substances harmful to health with occupational exposure limits.

DNEL data not available.

PNEC data not available.

8.2. Exposure controls

Compliance with occupational exposure limit values must be checked regularly.

General recommendations

Provide workplaces with adequate hygiene facilities so that workers can wash their hands and face after work and before eating, drinking, smoking or using the toilet. Facilities for cleaning footwear and changing clothes must also be available. Clothing contaminated with wet cement must be removed promptly. Skin that comes into contact with wet cement should be washed immediately with large amounts of cool, clean water. Wear protective gloves, goggles and a mask when working with the product. Smoking, eating, drinking and storing tobacco, food and beverages in the room is prohibited.

Exposure scenarios

No exposure scenarios have been developed for this product.

Exposure limit values

Professional users must comply with the regulations on maximum occupational exposure limits for the working environment.

Engineering measures

Mix dry cement in well-ventilated areas.

Work in ways that minimize the amount of cement dust released. In connection with work processes that may generate respirable quartz dust, such as cutting and drilling concrete, exhaust air may not be re-used in accordance with the EU Cancer Regulation.

Hygiene measures

During breaks in product use and at the end of work, all parts of the body that have come into contact with the product must be thoroughly washed. Always wash your hands, arms, and face. Do not wash your hands with water from buckets used to clean tools. Remove contaminated clothing and wash before reuse.

Exposure control in the environment

No special requirements.

Individual protection measures, such as personal protective equipment

General information

Only use CE-marked protective equipment.

Respiratory tract protection

Type

For dusty work, use a P2 dust mask with a particle filter.

Skin protection

Recommended

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Remove contaminated clothing and wash skin thoroughly with soap and water when work is complete.

Hand protection

Material

Protective gloves, N: PVC, neoprene or vinyl.

Eye protection

Type

Safety goggles.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: powder.

pH value at 20 °C: 11–13.

Colour: grey.

Density

Kinematic viscosity

Not applicable to solids.

Particle properties

Testing is impossible depending on the nature of the product.

Condition changes

Melting point /freezing point (°C)

Testing is impossible depending on the nature of the product.

Softening point / softening temperature range (waxes and pastes) (°C)

Not applicable to solids.

Boiling point (°C)

Not applicable to solids.

Vapour pressure

Testing is impossible depending on the nature of the product.

Vapour density

Not applicable to solids.

Decomposition point (°C)

Testing is impossible depending on the nature of the product.

Information on fire and explosion hazards

Flash point (°C)

Not applicable to solids.

Flammability (°C)

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Testing is impossible depending on the nature of the product.

Self-ignition point (°C)

Testing is impossible depending on the nature of the product.

Explosion limit (% v/v)

Not applicable to solids.

Solubility

Water solubility

Testing is impossible depending on the nature of the product.

Partition coefficient: n-octanol/water

Testing is impossible depending on the nature of the product.

Solubility in fat (g/L)

Testing is impossible depending on the nature of the product.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

N/A

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Not known.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

The properties of the product will not deteriorate when used as specified in section 1.

SECTION 11. TOXICOLOGICAL INFORMATION

1.11. Information about hazard classes

Skin corrosion/irritation

Causes skin irritation.

Causes serious eye damage/irritation

May cause eye damage.

Respiratory sensitization

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

Skin sensitization

May cause an allergic skin reaction.

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

May cause respiratory irritation.

Aspiration hazard

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

11.2. Information about other hazards

Long-term effect

The product contains substances that are very harmful to the eyes.

Contact with substances may cause irreversible effects on the eyes or serious eye damage.

Endocrine disrupting properties

Does not apply.

Other information

Sand. The substance is classified as Group 1 by IARC.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

The product is not hazardous to the environment.

12.2. Persistence and degradability

N/A

12.3. Bioaccumulation

N/A

12.4. Mobility in soil

N/A

12.5. Results of PBT and vPvB assessment

The mixture/product does not contain substances that meet the conditions required for classification as PBT and/or vPvB.

12.6. Endocrine disrupting properties

Does not apply.

12.7. Other adverse effects

Not known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

SAFETY DATA SHEET

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The product hardens after 5 to 6 hours after adding water and can then be disposed of as construction debris. Possible waste code 17 09 04.

European Waste Catalogue

Waste code. The specific waste code depends on the origin of the waste.

10 13 11 Wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10.

Uncleaned packaging

Handling must be carried out in accordance with official regulations.

Recommendations:empty the bag thoroughly.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

Not classified as a dangerous good according to transport regulations.

14.2. UN proper shipping name

Does not apply.

14.3. Transport hazard classes

Does not apply.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environment regulations/legislation applicable to substances and compounds Restrictions on use

Avoid contact with the product by pregnant and lactating women. Potential risks and technical precautions or design solutions to be implemented in the workplace to prevent exposure must be taken into account.

Requirements for special training

No special requirements.

SEVESO – Hazard categories / Named dangerous substances

Does not apply.

Other information

Does not apply.

Source

List of hazardous factors in the working environment and jobs in which employment of minors is prohibited, adopted on 11.06.2009 No. 94. Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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15.2. Chemical safety assessment

Does not apply.

SECTION 16. OTHER INFORMATION

Text of H-phrases listed 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

CAS = Chemical Abstracts Service

EINECS = European Inventory of Existing Commercial Chemical Substances

PBT = persistent, bioaccumulative and toxic. Calculated non-active content

STOT-SE = specific target organ toxicity – single exposure

vPvB = very persistent and very bioaccumulative

Other information

The classification of the mixture for health hazards is in accordance with the calculation methods set out in Regulation (EC) No 1272/2008 (CLP).

Other

The information contained in this safety data sheet applies only to this specific product (referred to in Section 1) and may not necessarily apply to other chemicals or products. It is recommended that this safety data sheet be handed over to the actual user of the product. The information contained in this safety data sheet should not be used as a product specification. Country-language: EE-en