

SAFETY DATA SHEET

According to EC-Regulation 1907/2006 (REACH),
annex II, including changes implemented by EC-
Regulation 2020/878



Version number: 1
Issued: 2026-10-13

Ready-mixed concrete (fresh concrete)

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

1.1. Product identifier

Trade name

Ready-mixed concrete (fresh concrete)

UFI code

5300-U0M9-K003-846S

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

Relevant identified uses

Foundation, floors and supporting structures.
Consumer and professional use.

1.3. Details of the supplier of the safety data sheet

Supplier

Thomas Betong AB

Address
Box 5162

402 26 GÖTEBORG
Sweden

Telephone
0104-50 50 00

Email
info@thomasbetong.se

Web site
www.thomasbetong.se

1.4. Emergency telephone number

Poison center/Additional emergency number

+46 10 456 67 00 (Available 24/7) - Swedish Poisons Information Centre (For less urgent cases. Available for the public.)
112 (Available 24/7) - Swedish Poisons Information Centre (Ask for Poison info. Available for the public.)

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Serious eye damage, hazard category 1

Skin irritation, hazard category 2

Hazard statements

H315, H318

Description

For the complete meaning of H-phrases mentioned in this section, see section 16.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.

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

P302 + P352 IF ON SKIN: Wash with plenty of water/.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing.

P501 Dispose of contents/container to auktoriserad avfallshanteringanläggning.

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More information

Contains: Portland cement

The chromium-reduced content of the product is the reason why the raw material supplier does not classify it as H317. For further information, see Section 11.

The raw material itself, as well as the potential for exposure to particulate dust from the raw material, may warrant classification as H335. However, in the finished concrete, which has a viscous and moist form, no such risk is considered to be present. For further information, see Section 11.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
Substances with endocrine-disrupting properties: No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrases M factor acute M factor chronic	Specific concentration limits ATE	Note
Portland cement	65997-15-1 266-043-4 - -	4 - 20%	Skin Irrit. 2, Skin Sens. 1, Eye Dam. 1, STOT SE 3	H315, H317, H318, H335 - -		UVCB
Portland cement, cement kiln dust and fly ash	68475-76-3 270-659-9 01-2119486767- 17 -	0 - 1%	Skin Irrit. 2, Eye Dam. 1, STOT SE 3 - resp. tract irrit.	H315, H318, H335 - -		UVCB

Substance additional information

UVCB = Substances of unknown or variable composition, complex reaction products or biological material.

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

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

Unlikely route of exposure as the mixture is in the form of a viscous mass.

Dust from hardened product: Move the affected person to fresh air and keep at rest. Call a doctor if you feel unwell.

Skin contact

Wash with plenty of water and soap. Remove contaminated clothing. If skin irritation persists, call a physician.

Eye contact

Immediately rinse with a gentle stream of water for approximately 10 minutes. Hold the eyelids wide open with your fingers during rinsing and remove contact lenses if present. Seek medical attention if symptoms persist.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Drink plenty of water and seek medical attention.

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

Inhalation

Exposure by inhalation is unlikely, as the mixture is in the form of a viscous paste. However, in its dried form, dust from the product may cause respiratory irritation.

Skin contact

May cause temporary irritation with redness and a burning sensation.

Eye contact

Risk of serious damage to eyes.

Ingestion

May cause irritation of the throat and gastrointestinal tract.

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

No data available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is non-combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

The product is not flammable and there are no data on specific physical hazards associated with the product.

5.3. Advice for firefighters

Measures in case of fire

When fighting a fire that has broken out in the vicinity of the product: take protective measures based on surrounding conditions.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

For personal protection see section 8.

6.2. Environmental precautions

Try to prevent the material from entering drains or water courses.

6.3. Methods and material for containment and cleaning up

Allow spills to harden and dispose of as construction waste. Concrete hardens after about an hour. If uncured product has entered the drain, flush with large amounts of water.

6.4. Reference to other sections

For information on safe handling see section 7.

For personal protection see section 8.

For disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Avoid contact with skin and eyes.

Do not breathe dust.

For personal protection see section 8.

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General hygiene

When using, do not eat, drink or smoke. Wash hands before breaks and before smoking, eating or drinking. Wash contaminated clothing prior to re-use.

7.2. Conditions for safe storage, including any incompatibilities

The product cannot be stored, as it hardens within approximately one hour.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

Occupational exposure limit values for respiratory exposure according to AFS 2023:14 (as amended), including limits relevant to substances that may be generated from the product (primarily in its dried form).

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Source	Remark	Year
Inorganic dust (inhalable fraction) See also respirable fraction.	- -	- / 5	AFS 2023:14, as amended		2018
Inorganic dust (respirable fraction) See also inhalable fraction.	- -	- / 2,5	AFS 2023:14, as amended		2018

8.2. Exposure controls

Appropriate engineering controls

Choose working method to minimise skin contact.

Personal protective equipment must be CE-marked and should be selected in consultation with the equipment supplier.

Eye-washing facilities must be available at the workplace.

Eye / face protection

Tightly sealed goggles. Eye protection according to EN 166/EN ISO 16321.

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Hand protection

Wear suitable gloves tested to EN 374.
- nitrile rubber >0,4 mm

Permeation time (maximum wear duration): > 8 hours

The most suitable glove must be selected in consultation with the glove supplier, who can provide information on the breakthrough time of the glove material. Please observe the instructions regarding permeability and breakthrough time provided by the glove supplier. Also take into account the specific local conditions under which the product is used, such as the risk of cuts, abrasion, and the duration of contact.

Other skin protection

Use suitable waterproof protective clothing and boots where there is a risk of skin contact. Trousers should be worn outside the boots to prevent concrete from entering them. Long trousers should be worn even in hot weather. Whenever possible, avoid kneeling in fresh concrete during work.

Respiratory protection

Use respiratory protection with particle filter P3 when grinding or drilling in hardened product.

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Viscous mass

Colour

Gray.

Odour

Odourless.

Melting point / freezing point

No data available/not applicable

Boiling point or initial boiling point and boiling range

No data available/not applicable

Flammability

No data available/not applicable

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Lower and upper explosion limit

The product does not present an explosion hazard.

Flash point

No data available/not applicable

Auto-ignition temperature

The product is not self-ignitable.

Decomposition temperature

No data available/not applicable

pH

> 12

Kinematic viscosity

Tixotrop

Solubility

Water-soluble.

Partition coefficient n-octanol/water

No data available/not applicable

Vapour pressure

No data available/not applicable

Density and/or relative density

2400 kg/m³

Relative vapour density

No data available/not applicable

VOC %

0 %

Particle characteristics

No data available/not applicable

9.2. Other information

No data available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No risk of reactivity.

10.2. Chemical stability

Fresh concrete hardens within a few hours.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Avoid contact with strong acids.

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

The product is not known to have acute toxicity.

Acute toxicity

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

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

The cement is chromium-reduced, thereby reducing the risk of developing chromium allergy through contact with fresh concrete. However, persons with chromium allergy should avoid contact of fresh concrete with unprotected skin.

Germ cell mutagenicity

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

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Carcinogenicity

The substances in this mixture do not meet the criteria for classification as CMR Category 1 or 2 in accordance with Directive 67/548/EEC.

Repeated dose toxicity

No data available

Reproductive toxicity

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

STOT-single exposure

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

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.

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion: May cause irritation of the throat and gastrointestinal tract.

Inhalation: Exposure by inhalation is unlikely, as the mixture is supplied as a viscous paste. However, dust generated from the dried product may cause respiratory tract irritation.

Skin contact: May cause temporary irritation, accompanied by redness and a burning sensation.

Eye contact: Risk of serious eye damage.

11.2. Information on other hazards

Endocrine disrupting properties

No data available

Other information

No other hazards are identified.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

The product is not classified as dangerous for the environment.

12.2. Persistence and degradability

The product consists of inorganic material and is therefore not biodegradable.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

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12.4. Mobility in soil

Mobility

Uncured product is soluble in water and can spread in the aquatic environment.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

Release to water can cause locally high pH and damage the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Handle in accordance with Directive 2008/98/EC on waste, as amended, including the provisions on reporting to the SCIP database under Article 9.

Handle also in accordance with national and local laws and regulations, including the Swedish Waste Ordinance (SFS 2020:614). The product must not be discharged into drains and shall be collected for disposal. Questions regarding general chemical waste management can normally be answered by the local municipality.

Allow uncured product residues to harden and dispose of them as construction waste. Hardened product residues are not classified as hazardous waste.

Waste code	Waste description
17 01 01	Concrete
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing hazardous substances

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

Other

The waste codes provided are suggestions only and shall be assigned based on the actual use of the product.

17 01 06* - uncured product residues

17 01 01 - hardened product residues

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SECTION 14: Transport information

14.1. UN number

Not classified as dangerous goods according to transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU regulations

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

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EU) 2024/590 of the European Parliament and of the Council of 7 February 2024 on substances that deplete the ozone layer, and repealing Regulation (EC) No 1005/2009

Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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National regulations

Swedish Work Environment Authority's provisions and general guidelines (AFS 2023:2) Planning and organisation of work environment management – basic obligations for those with employer

The Swedish Work Environment Authority's provisions and general guidelines (AFS 2023:10) on risks in the work environment

The Swedish Work Environment Authority's provisions and general guidelines (AFS 2023:11) Work equipment and personal protective equipment – safe use

The Swedish Work Environment Authority's provisions and general guidelines (AFS 2023:14) on occupational exposure limit values for airborne contaminants in the workplace, with later changes.

KIFS 2017:7 Chemical products and Biotechnical Organisms Regulations

Swedish Waste Ordinance (2020:614), as amended.

Other regulations, limitations and legal regulations

People under the age of 18 shall not work with this product. This does not apply if the working task is:

- performed by young people who have completed upper secondary education or equivalent education for the task or

- included in teaching that is located in a school premises or other place that is specially arranged for teaching, or

are included in supervised work placement programmes for young persons, or are of such a nature that the risk of injury is minimal.

15.2. Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information

Changes to previous revision

New translation of SDS (SE-eng)

Abbreviations

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

ECHA - European Chemicals Agency

PBT - Persistent, Bioaccumulative and Toxic substance

PNEC - Predicted No Effect Concentration(s)

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

SVHC - Substances of Very High Concern

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UFI - Unique Formula Identifier

vPvB - Very Persistent and Very Bioaccumulative

References to key literature and data sources

Previous revision of the safety data sheet : 2021-04-14 version 15.0 and SE-se version

Evaluation methods for classification

Calculation method.

Phrase meaning

Eye Dam. 1 - Serious eye damage, hazard category 1

Skin Irrit. 2 - Skin irritation, hazard category 2

Skin Sens. 1 - Skin sensitisation, hazard category 1

STOT SE 3 - Specific Target Organ Toxicity — Single exposure, hazard category 3

STOT SE 3 - resp. tract irrit. - Specific Target Organ Toxicity — Single exposure, hazard category 3 -
respiratory tract irritation

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Other

Manufacturer's notes

The information contained in this Safety Data Sheet is in accordance with the above-mentioned legislation and is based on the knowledge and experience available at the time of publication. It is the user's responsibility to ensure the safe use of this product and to comply with all applicable laws and regulations governing its use.