

SAFETY DATA SHEET

Expansion concrete, Std Winter

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 22.01.2019

1.1. Product identifier

Product name Expansion concrete, Std Winter
Article no. 33305, 33302, 33303.

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

Product group Concrete/concrete renovation.
Use of the substance / preparation Expansion Concrete Std is used in concrete casting where sides of the casting site are unavailable and there is a requirement for total filling. The product is intended for use in temperatures down to -10 °C.
The chemical can be used by the general public Yes
The chemical is used by general public only No

1.3. Details of the supplier of the safety data sheet

Company name Combimix AB
Postal address Verkstadsvägen 6
Postcode S-746 40
City BÅLSTA
Country Sverige
Telephone number +46 17146 65 90
Email miljo@combimix.se
Website www.combimix.se
Enterprise No. 556614-8929
Contact person Christian Nordenson

1.4. Emergency telephone number

Identification, comments +44(0) 8703 330070 Office hours only (08.30-17.00 UK time)

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE 3; H335
Substance / mixture hazardous properties	Dries out and can irritate the skin, causing serious eye damage and can irritate the respiratory system.

2.2. Label elements

Hazard pictograms (CLP)



Signal word	Danger
Hazard statements	H318 Causes serious eye damage. H315 Causes skin irritation. H335 May cause respiratory irritation.
Precautionary statements	P102 Keep out of reach of children. 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 doctor / physician. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P280 Wear protective gloves/protective clothing/eye protection.
Tactile warnings	No
Child-protection	No

2.3. Other hazards

PBT / vPvB	No such ingredients in this product.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Portland Cement	CAS No.: 65997-15-1 EC No.: 266-043-4	Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE 3; H335 Skin Sens. 1; H317	25 - 35 %
Sodium Nitrate	CAS No.: 7631-99-4 EC No.: 231-554-3 REACH Reg. No.: 01-2119488221-41-xxxx	Ox. Sol. 2; H272 Eye Irrit. 2; H319	< 1 %
Substance comments	The Portland cement is chromate-reduced, so H317 lapses from the preparation's label. This reduction is expected to be effective for twelve months from the date		

of production.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Let the affected person breathe fresh air for a long time.
Skin contact	Powder: Brush away, wash area with soap and water. Wet mass: Remove contaminated clothing quickly. Wash exposed body parts with soap and water.
Eye contact	Do not rub eye. Immediately flush with plenty of water. Consult a doctor. Continue flushing during transport to hospital. Bring these instructions.
Ingestion	Drink plenty of water. Do not induce vomiting.

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

General symptoms and effects	Stinging, pain in the eyes. Irritated, red skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Brush off loose particles from skin. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Separate first aid equipment	Eyewash, easily accessible.
Other information	In case of eye contact with powder or wet mass, seek medical advice immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is non-combustible.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	None.
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5.3. Advice for firefighters

Other information	Extinguishing media that come into contact with the product may assume some of the hazardous properties of the product, protect the eyes from splashing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Avoid direct contact with uncured or hardening product.
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6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge to the aquatic environment. Avoid discharge into drains.
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6.3. Methods and material for containment and cleaning up

Clean up	Vacuum clean up is recommended for dry product, using shovels or brushes may cause irritating/hazardous dust. Wet product can be shoveled, avoid contact, wet material may develop corrosive properties. Hardened material is no longer aggressive or hazardous. Transport waste in sealed container.
Other information	Hardened material is not aggressive or reactive.

6.4. Reference to other sections

Other instructions	See section 8 for protective equipment, section 13 for waste code.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Handle in original packaging or other tightly sealed container. If mixing takes place indoors, the room should be well ventilated.
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Protective safety measures

Protective safety measures	Protect the eyes from being exposed to dry or wet product.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store dry and out of reach of children.
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7.3. Specific end use(s)

Specific use(s)	See section 1.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Other Information about threshold limit values	Portland cement, 10 mg/m ³ inhalable dust. Portland cement, 4mg/m ³ respirable dust.
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8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Appropriate engineering controls	An eye wash bottle must be available at the work site.
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Eye / face protection

Suitable eye protection	Tightly sealed goggles
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Hand protection

Skin- / hand protection, short term contact Protective gloves are recommended.

Skin protection

Skin protection remark Wear appropriate clothing to prevent skin contact.

Respiratory protection

Respiratory protection, comments Use respiratory equipment with particle filter, type P3, if risk of inhaling dust.

Hygiene / environmental

Specific hygiene measures Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fine powder.
Colour	Grey.
Odour	Svag, nästan obefintlig.
pH	Status: In delivery state Comments: pH, approx 13.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	Reacts with water, moderate heat generation, during the curing process, high pH is formed.
Comments	Cured product is neither aggressive nor reactive.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Reacts with water, moderate heat generation, during the curing process, high pH is formed.
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10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None.
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10.4. Conditions to avoid

Conditions to avoid	No information.
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10.5. Incompatible materials

Materials to avoid	Not known.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

Skin contact	May cause irritation, wet product can act corrosive on skin.
Eye contact	May cause serious and permanent eye damage.
Sensitisation	Not considered as sensitizing. Sensitive people however are advised to avoid skin contact. The portland cement is chromium reduced, this reduction will last at least twelve months from manufacturing date.

Symptoms of exposure

In case of eye contact	Red, rinsed eyes. Pain.
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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	The preparation is not considered as ecotoxic.
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12.2. Persistence and degradability

Persistence and degradability, comments	No ecotoxicological risks / hazards known. Is not easily degradable.
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12.3. Bioaccumulative potential

Bioaccumulative potential	Not relevant.
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12.4. Mobility in soil

Mobility	Not relevant.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
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12.6. Other adverse effects

Environmental details, summation	Not considered ecotoxicological.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Dry powder is handled in well-sealed vessels to prevent dusting.
Product classified as hazardous waste	Yes
Packaging classified as hazardous waste	No

SECTION 14: Transport information

Dangerous goods	No
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14.1. UN number

Comments	Not relevant.
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14.2. UN proper shipping name

Comments	None.
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14.3. Transport hazard class(es)

Comments	None.
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14.4. Packing group

Comments	None.
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14.5. Environmental hazards

Comments	None.
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14.6. Special precautions for user

Special safety precautions for user	None.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Product name	Not relevant.
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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture****15.2. Chemical safety assessment**

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H272 May intensify fire; oxidiser.
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H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Version

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