

Material Safety Data Sheet – Ultrafin 12

1. NAME OF THE PRODUCT AND THE COMPANY

<i>Product name</i>	Ultrafin 12 Binding agent in injection grout, mortar, filler and plaster.
<i>Issued</i>	2009-03-01
<i>Manufacturer and supplier</i>	Cementa AB P.O. Box 47210 SE-100 74 Stockholm
<i>Contact person</i>	Sven-Erik Johansson, +46 8 625 68 00

2. COMPOSITION/CLASSIFICATION OF SUBSTANCES

<i>Substance</i>	<i>CAS #</i>	<i>Content (%)</i>	<i>Class; R-phrases*</i>
Portland cement	65-997-15-1	> 50	X R 37/38, 41

* Classification and R-codes for health hazard as indicated in the regulations of Swedish Chemicals Inspectorate (KIFS 1997:5) and for fire safety in accordance with the regulations of the Swedish Inspectorate of Explosives and Flammables (SÄIFS 1989:3 and 1995:5).

3. DANGEROUS CHARACTERISTICS

<i>Health Risks</i>	Irritates respiratory organs and the skin. Can cause serious eye injuries.
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4. FIRST AID

<i>Inhalation</i>	Fresh, dustless air.
<i>Skin contact/Powder</i>	Brush off and wash with soap and water.
<i>Skin contact/Wet paste</i>	Remove wet clothes, and wash with soap and water.
<i>Eye contact</i>	Do not rub! Wash IMMEDIATELY with plenty of water for at least 15 minutes. Contact a hospital or a doctor.
<i>Consumption</i>	Drink IMMEDIATELY plenty of water. Do not induce vomiting. Contact a hospital or a doctor.
<i>General information</i>	If in the slightest doubt or persistent complaint, contact a doctor.

5. PROCEDURES IN CASE OF FIRE

Not relevant since the product is not inflammable.

6. PROCEDURES IN CASE OF SPILLAGE/UNINTENTIONAL DISCHARGE

<i>Personal safety procedures</i>	Avoid dust. Avoid contact with the skin and eyes.
<i>Procedures to protect the environment</i>	Prevent large quantities entering sewage system, watercourses or small pools of water.
<i>Decontamination methods</i>	To prevent the formation of dust the cement should be sucked up. Cement mixed with water hardens, and can be disposed off as building waste.

7. HANDLING AND STORAGE

<i>Handling</i>	Avoid the formation of dust.
<i>Storage</i>	Stored inaccessible for children and in its original packaging in a dry place. The product has been reduced in chromate to reduce the risk of chrome allergies. If it is stored in accordance with the instructions the reduction in chrome is considered to be effective.
<i>On unopened pallet enclosed in plastic</i>	Approx. 6 months from the date of packing.
<i>On opened pallet enclosed in plastic</i>	Approx. 1 month. (No longer than 6 months from the date of packing.)

8. LIMITATION OF EXPOSURE/PERSONAL SAFETY PROCEDURES

<i>Technical safety procedures</i>	Spot extractors may be necessary if there is a risk of inhaling cement dust. This also applies when grinding and/or drilling in a hardened product. There should be an eye wash facilities on site.
<i>Personal safety procedures</i>	Tightly fitting protective glasses and protective gloves. Breathing protection with Filter P2 for solid particles should be used in environments where there is cement dust, and when grinding and/or drilling in a hardened product.

Cement has a reduced chromate content and therefore the risk of acquiring a chrome allergy is considered to be reduced. Persons with chrome allergies should, however, avoid touching with unprotected skin fresh/newly mixed products containing cement.

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

<i>Form</i>	Fine-grained, roughly dust forming power
<i>Colour</i>	Grey
<i>pH in wet solution (kg/m³)</i>	12.8
<i>Compact density (kg/m³)</i>	3 100–3 200
<i>Form density</i>	800–1 500

10. STABILITY AND REACTIVITY

<i>Stability</i>	The product is a stable product under the recommended storage and handling conditions.
<i>Reactivity</i>	Cement reacts with water and hardens.

11. TOXICOLOGICAL INFORMATION

<i>Inhalation</i>	Inhalation of cement dust can irritate mucous membrane.
<i>Skin contact</i>	Prolonged contact (up to 4 hours) with a mixture of cement and water can cause burn injuries on unprotected skin. Can cause allergy (chrome eczema) after repeated contact with the skin.
<i>Eye contact</i>	Dry cement dust or splashing from a mixture of cement and water can quickly result in serious eye injuries.
<i>Consumption</i>	Can result in irritation to oral and digestive organs.

12. EXOTOXICOLOGICAL INFORMATION

The product has no known ecotoxicological impact.

13. WASTE DISPOSAL

Large quantities of waste can be disposed of in agreement with local authorities.
Cement mixed with water hardens and can be disposed of as building waste.

14. TRANSPORT INFORMATION

Cement is not classed as dangerous goods.

15. APPLICABLE REGULATIONS

<i>X</i>	Irritating.
<i>R37/38</i>	Irritates respiratory organs and the skin.
<i>R41</i>	Can result in serious eye injuries.
<i>R43</i>	Can result in allergy (on skin contact).

Stored inaccessible for children and in its original packaging.
Contains more than 50 percent by weight Portland cement.
Calcium hydroxide is formed on contact with water, which is an irritant to the skin.

16. MISCELLANEOUS INFORMATION

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