

# Material Safety Data Sheet – Microfine 20

## 1. NAME OF THE PRODUCT AND THE COMPANY

<i>Product name</i>	Microfine 20
<i>Use</i>	Binding agent in injection grout.
<i>Revised</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 40 36 15 00
<i>Emergency</i>	Toxicity information (ERC), +46 20 99 60 00

## 2. COMPOSITION/CLASSIFICATION OF SUBSTANCES

<i>Substances</i>	Portland cement
<i>Content</i>	75–100%
<i>Cas no.</i>	65 997-15-1
<i>EG no.</i>	2660434
<i>Classification</i>	Xi                      Irritating.
<i>Risk phrases</i>	R 37/38                Irritating to respiratory system and skin. R 41                     Risk of serious damage to eyes.

## 3. HAZARDOUS PROPERTIES

<i>Xi</i>	Irritating
<i>R 37/38</i>	Irritating to respiratory system and skin.
<i>R 41</i>	Risk of serious damage to eyes.  Contact with water causes formation of calcium hydroxide, which has a high pH value and therefore irritates the skin.

## 4. FIRST AID

<i>Inhalation</i>	Fresh, non-dusty air.
<i>Skin contact, powder</i>	Brush off and wash with soap and water.
<i>Skin contact, moist mass</i>	Remove clothes, wash with soap and water.
<i>Eye contact</i>	Do not rub! Rinse immediately with plenty of water for at least 15 minutes.
<i>Consumption</i>	Give plenty to drink IMMEDIATELY. Do not provoke vomiting. Contact a hospital or doctor.
<i>General information</i>	If there is the slightest doubt or if the problem continues, contact a doctor.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Form</i>	Fine-grained, very dusty powder.
<i>Colour</i>	Grey
<i>pH in mortar solution</i>	12.8
<i>Compact density (kg/m<sup>3</sup>)</i>	3,100–3,200
<i>Bulk density (kg/m<sup>3</sup>)</i>	800–1,500

## 10. STABILITY AND REACTIVITY

<i>Stability</i>	The product is stable under recommended storage and handling conditions (see section 7).
<i>Reactivity</i>	Cement that reacts with water forms calcium hydroxide, immediately creating a high pH (12.5–13.5). Cement reacts with water and sets.

## 11. TOXICOLOGICAL INFORMATION

<i>Inhalation</i>	Inhalation of cement dust can cause irritation to mucous membranes.
<i>Skin contact</i>	Long-term contact with a mixture of cement and water can cause corrosion injuries to unprotected skin.
<i>Eye contact</i>	Dry cement dust or the fumes from a mixture of cement and water can quickly cause serious eye damage.
<i>Consumption</i>	Can cause irritation in the mouth or the digestive system.

## 12. EXOTOXICOLOGICAL INFORMATION

The product has no known ecotoxicological effect.

## 13. WASTE DISPOSAL

Large volumes of waste can be disposed of by agreement with local authorities. Cement that is mixed with water sets and can be disposed of as building waste.

## 14. TRANSPORT INFORMATION

Cement does not constitute hazardous goods.

## 15. REGULATORY INFORMATION



Harmful

<i>R 37/38</i>	Irritating Irritates the respiratory system and the skin.
<i>R 41</i>	Risk of serious damage to eyes.
<i>S 2</i>	Keep out of reach of children.
<i>S 22</i>	Do not breathe dust.
<i>S 24</i>	Avoid contact with skin.
<i>S 26</i>	In cause of contact with eyes rinse immediately with plenty of water (15 minutes) and seek medical advice.
<i>S 37/39</i>	Wear suitable protective gloves and eye/face protection.

## 16. OTHER INFORMATION

Not labelled with R 43 as the cement is not considered to be able to cause chrome allergy as it is chromate-reduced, see also sections 7 and 8.

### CEMENTA AB

P.O. Box 47210  
SE-100 74 Stockholm  
Tel. +49 (0)8-625 68 00  
Fax +49 (0)8-753 36 20  
E-mail [info@cementa.se](mailto:info@cementa.se)  
Website [www.cementa.se](http://www.cementa.se)