

Material Safety Data Sheet – CEMENTA HPM

1. NAME OF THE PRODUCT AND THE COMPANY

<i>Product name</i>	Cementa HPM A high performance-dispersing additive that is especially suitable for micro cement.
<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 8 625 68 00

2. COMPOSITION/CLASSIFICATION OF SUBSTANCES

<i>Substance</i>	<i>CAS #</i>	<i>Content (%)</i>	<i>Class; R-phrases*</i>
Sulphonated melamine-polymers		15–20	
Sulphonated naphthalene-polymers		1–20	

* *Classification and R-phrases for health hazards as indicated in the regulations of the 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>	Long-term skin contact can give smarting pain and blush. Irritates eyes.
<i>Environmental Risks</i>	The product is not classified as dangerous.
<i>Fire Risks</i>	

4. FIRST AID

<i>Inhalation</i>	Fresh air.
<i>Skin contact</i>	Remove the spattered clothes and shoes immediately. Rinse the affected areas with water and then wash thoroughly with soap and water.
<i>Eye contact</i>	Flush immediately with a lot of water for several minutes. Hold the eyelid wide open; remove contact lenses, if applicable. Contact your local doctor if pain persists.
<i>Consumption</i>	Give a couple of glasses of milk or water if the injured person is fully conscious. Contact your local doctor if a significant amount was swallowed.

5. PROCEDURES IN CASE OF FIRE

The product can be extinguished with carbon-dioxide, powder (water). Containers that are nearby should be moved or cooled down with water.

6. PROCEDURES IN CASE OF SPILLAGE/UNINTENTIONAL DISCHARGE

Spilled quantities should be soaked up by using absorbing materials, for example, sand, soil, or something similar, and treated as waste. Prevent it from running into the sewerage.

7. HANDLING AND STORAGE

Avoid direct contact with the product. It can be stored outside at a temperature above the product's freezing point (– 0 deg. Celsius).

8. LIMITATION OF EXPOSURE/PERSONAL SAFETY PROCEDURES

Make sure there is adequate ventilation.

Technical safety procedures There should be eyewash facilities on-site.

Personal protective-wear Protective gloves and eyewear should be used where there is a risk of direct contact with the product.

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

<i>Description of product</i>	Brown, watery fluid
<i>Density</i>	1 215 kg/m ³
<i>Water soluble</i>	100 weight percentage at 20 deg. Celsius
<i>pH concentrate</i>	8

10. STABILITY AND REACTIVITY

The product is stable during normal handling conditions.

11. TOXICOLOGICAL INFORMATION

<i>Inhalation</i>	Inhaling fumes can cause irritations.	
<i>Skin contact</i>	Prolonged contact or repeated periods of contact can cause irritation.	
<i>Eye contact</i>	If it splashes into your eyes it will cause smarting pain and irritation.	
<i>Consumption</i>	Consumption can give smarting pain in the mouth and throat, feel sick.	
<i>Toxicological information</i>	Sulphonated naphthalene polymers	LD ₅₀ oral rat 3 800 mg/kg
	Sulphonated melamine polymers	LD ₅₀ oral rat > 5 g/kg
	Preservative	LD ₅₀ oral rat > 2.5 g/kg
		LD ₅₀ dermal rat 2 g/kg
		LD _{50/4 h} inhalation rat aerosol 50 mg/l

12. EXOTOXICOLOGICAL INFORMATION

<i>Aquatic toxicity</i>	Sulphonated melamine polymers	Low toxicity for water organisms LC _{50/48 h} 560 mg/l (Orange killifish) EC ₁₀ 1 800 mg/l (Pseudomonas putida)
	Sulphonated naphthalene polymers	Low toxicity for water organisms LC _{50/48 h} 400 mg/l (Salmo gairdineri) EC _{50/48 h} >200 mg/l (Daphnia magna)
<i>Degradability</i>	Sulphonated melamine polymers	Not easily degradable BOD ₅ (below the line)/COD 0.09
	Sulphonated naphthalene polymers	Not easily degradable BOD ₅ /COD 0.03
<i>Movability and Bioaccumulation</i>	Sulphonated melamin polymers	Not bioaccumulable LogP _{ow} < -4

13. WASTE DISPOSAL

The product should be treated as dangerous waste according to the Waste Disposal Inspectorate (SFS 1996: 971), insert 3.

14. TRANSPORT INFORMATION

The product is not included in the regulations for hazardous goods.

15. APPLICABLE REGULATIONS

Danger symbols –
R/S phrases and other marking information –

Hygiene limits are according to the book: The Board of Occupational Safety and Health Statute (AFS 1996: 2).

16. MISCELLANEOUS INFORMATION

Information about detailed substances has been extracted mainly from the following references

Lewis, R.J. (1992) Sax's Dangerous Properties of Industrial Materials, 8th ed., Van Nostrand Reinhold, New York.

Swedish Chemicals Inspectorate's substance list in the Swedish Chemicals Inspectorate's Regulations on Classification and marking of Chemical Products (KIFS 1997: 5).

Clayton, G.D., Clayton F.E. (1981) Patty's Industrial Hygiene and Toxicology, 3rd rev. ed., John Wiley & Sons, New York.

Databases: Toxline, HSDB, Riskline, Medline.

Information from the manufacturer.

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
Website www.cementa.se