

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.02.2014

Version number 1

Revision: 07.02.2014

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

#### 1.1 Product identifier

Trade name **Super Plasticiser (FM)**

Article number: 0251

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

No further relevant information available.

**Application of the substance / the mixture** Concrete/Mortar admixtures

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer/Supplier:

Remmers Baustofftechnik GmbH

Postfach 1255

D-49624 Lönninge / Germany

Tel.: +49(0)5432/83-0

Fax: +49(0)5432/3985

##### Informing department:

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 845 373 0103

E-Mail: sales@remmers.co.uk

#### 1.4 Emergency telephone number:

during working hours:

U.K.: Tel.: +44 (0) 845 373 0103

sales@remmers.co.uk

Far East: Tel.: +65( 0) 67410277

Head Office Germany: Tel.: +49 (0)5432 83 187

info@remmers.de

after working hours: Tel.: +49 (0)171 21 34 091

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

-----  
**Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable

##### Information concerning particular hazards for human and environment:

not applicable

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

##### Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

#### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

##### Additional information:

Safety data sheet available on request.

#### 2.3 Other hazards

##### Results of PBT and vPvB assessment

**PBT:** Not applicable.

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 07.02.2014

Version number 1

Revision: 07.02.2014

**Trade name Super Plasticiser (FM)**

vPvB: Not applicable.

(Contd. of page 1)

### SECTION 3: Composition/information on ingredients

#### 3.2 Chemical characterization: Mixtures

**Description:** condensation product

**Dangerous components:** Void

**Additional information** For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General information** No special measures required.

**After inhalation** No special requirements.

**After skin contact** If skin irritation continues, consult a doctor.

**After eye contact** Rinse opened eye for several minutes under running water.

**After swallowing** Rinse out mouth and then drink plenty of water.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing agents

 CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

#### 5.2 Special hazards arising from the substance or mixture

 No further relevant information available.

#### 5.3 Advice for firefighters

**Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

 Not required.

#### 6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Dilute with plenty of water.

#### 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

#### 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

 No special measures required.

**Information about protection against explosions and fires:** The product is not flammable

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Storage

**Requirements to be met by storerooms and containers:** No special requirements.

**Information on storage in a common storage facility:** none

(Contd. on page 3)

EN

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 07.02.2014

Version number 1

Revision: 07.02.2014

**Trade name Super Plasticiser (FM)**

(Contd. of page 2)

**Further information about storage conditions:**

Protect from frost.

Avoid heating above 50 °C and cooling below 0 °C.

**7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.**8.1 Control parameters****Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.

**Additional information:** The lists that were valid during compilation were used as a basis.**8.2 Exposure controls****Personal protective equipment****General protective and hygienic measures**

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Avoid close or long term contact with the skin.

**Respiratory equipment:** not required.**Protection of hands:**

Protective gloves or protective skin cream.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

Nitrile rubber, NBR

Chloroprene rubber, CR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

Break through time: max. 240 min (DIN EN 374).

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** if there is a risk of splashes**Body protection:** Light weight protective clothing

### SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information****Appearance:****Form:**

Liquid

**Colour:**

Brown

**Odour:**

Weak, characteristic

**Odour threshold:**

Not determined.

**pH-value at 20 °C:**

ca. 8

**Change in condition****Melting point/Melting range:**

Not determined

**Boiling point/Boiling range:**

100 °C

Not determined

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 07.02.2014

Version number 1

Revision: 07.02.2014

Trade name **Super Plasticiser (FM)**

(Contd. of page 3)

<b>Flash point:</b>	Not applicable
<b>Inflammability (solid, gaseous)</b>	Not applicable.
<b>Ignition temperature:</b>	not applicable
<b>Decomposition temperature:</b>	Not determined.
<b>Self-inflammability:</b>	Product is not self-igniting.
<b>Danger of explosion:</b>	Product is not explosive.
<b>Explosive Limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	23 hPa
<b>Density at 20 °C</b>	1.08 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Fully miscible
<b>Distribution coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>dynamic:</b>	Not determined.
<b>kinematic at 20 °C:</b>	10 s (DIN 53211/4)
<b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>Solid content:</b>	16.0 %
<b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

#### 10.2 Chemical stability

#### Thermal decomposition / conditions to be avoided:

No decomposition if handled and stored according to specifications.

#### 10.3 Possibility of hazardous reactions

No dangerous reactions known

#### 10.4 Conditions to avoid

No further relevant information available.

#### 10.5 Incompatible materials:

No further relevant information available.

#### 10.6 Hazardous decomposition products:

No dangerous decomposition products known

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity:

##### Primary irritant effect:

**on the skin:** No irritating effect.

**on the eye:** No irritating effect.

**Sensitisation:** No sensitising effect known.

##### Additional toxicological information:

The product is not subject to labelling based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

(Contd. on page 5)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 07.02.2014

Version number 1

Revision: 07.02.2014

**Trade name Super Plasticiser (FM)**

(Contd. of page 4)

When used and handled according to directions, the product does not have any harmful effects according to our experience and the information available.

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

#### Additional ecological information:

##### General notes:

Do not allow to reach ground water or bodies of water. May not be led undiluted into sewer systems.

Do not allow undiluted or larger quantities of the product to reach ground water, bodies of water or sewage system.

#### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Recommendation

Smallest amounts can be diluted with plenty of water and discharged into the sewer system. Local regulations must be observed.

Remains can be mixed with concrete and after hardening disposed of as building rubble (Refuse Code Nr.: 31409)

##### European waste catalogue

17 01 01	concrete
----------	----------

##### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

#### 14.1 UN-Number

ADR, ADN, IMDG, IATA	Void
----------------------	------

#### 14.2 UN proper shipping name

ADR, ADN, IMDG, IATA	Void
----------------------	------

#### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class	Void
-------------------------------	------

#### 14.4 Packing group

ADR, IMDG, IATA	Void
-----------------	------

#### 14.5 Environmental hazards:

Marine pollutant:	No
-------------------	----

#### 14.6 Special precautions for user

Not applicable.
-----------------

(Contd. on page 6)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 07.02.2014

Version number 1

Revision: 07.02.2014

Trade name **Super Plasticiser (FM)**

(Contd. of page 5)

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**Transport/Additional information:**

Not a hazardous good according to the above regulations.

**UN "Model Regulation":**

-

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Other regulations, limitations and prohibition ordinances**

Observe the usual protective measures when working and for storage.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

Release of dangerous substances from hardened concrete (see Annex ZA of EN 934):

Used in recommended way, there is no indication that this admixture can lead to the release of substances from hardened concrete in such amounts, that restrictions to a safe use of the hardened concrete are necessary.

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

Delivery specifications are found in the respective Technical Information Sheets.

**Department issuing data specification sheet:** Product Safety department / EHS**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EN