

Safety Data Sheet - MFC Festic 500

Issued on: 1 January 2000

Revised on: 12 June 2004

Name of the product: **Adhesives for tiles according to ČSN EN 12004**

1. Identification of the product and producer

1.1 Business name of the product

MFC Festic 510, 511, 512, 521, 540 and 541

CAS number:

ES (EINECS) number:

Other product name: N/A.

1.2 Using of material or product: building industries

1.3 Identification of the producer

Name or business name of the producer: Morfico s.r.o.

Place of enterprise or registered office: Červený Mlýn 170, 666 01 Tišnov

Identification number: 25507494

Telephone: + 420 549 410 141; Fax: +420 549 410 089

1.4 Emergency telephone number

Job-related Illness Clinic, Toxicological information centre, Na Bojišti 1, 128 08 Prague 2, tel. +420 224 919 293, non-stop +420 224 915 402, 224 914 570, 224 964 234

2. Information about the composition of the substance or preparation

The product contains the following dangerous substances: cement, silica sand, copolymer (vinylacetate).

Chemical name:	cement	silica sand (SiO ₂)	copolymer (vinylacetate)
Content in % :	10 - 30 mass %	40 – 60 mass %	1 – 5 mass%
CAS number:	65997-15-1 65997-16-2	14808-60-7	108-05-4 (24937-78-7)
Index number:	-	-	607-023-00-0
ES (EINECS) number:	266-043-4 266-045-5	238-878-4	203-545-4
Warning danger number:	X _i , X _i	X _i	F
R-phrases:	36/37/38-43 36/37/38	36/37/38-43	11
S-phrases:	(2-)22-26-36/37/39	(2-)22-26-36/37/39	(2-)16-23.2-29-33

3. Data about the substance or preparation's danger

Most serious adverse effects on human health when using the substance/preparation: Irritation of eyes, respiratory organs and skin in the form of dust and after mixing with water.

Most serious adverse effects on the environment when using the substance/preparation: Not known.

Possible incorrect use of the substance/preparation: Not known.

Other data: N/A.

4. First aid instructions

4.1 General Instructions: In the case of health problems or doubt, contact a doctor.

4.2 During breathing: Leave the contaminated workplace and proceed according to the symptoms.

- 4.3 Contact with skin: Remove the contaminated clothes and wash the skin with clean water and soap. Treat irritated places with a suitable reparative cream.
- 4.4 Contact with eyes: Wash for at least 15 minutes with clean water while the eyelids are open, then seek medical help.
- 4.5 Ingestion: Drink a glass of water. Do not induce vomiting, seek medical help.
- 4.6 Other data: If symptoms of any effects (irritation) brought about by contact with the product do not cease after first aid, seek medical help.

5. Measures for extinguishing

- 5.1 Suitable extinguishing agents: Not known.
- 5.2 Unsuitable extinguishing agents: Not known.
- 5.3 Special dangers: Not known.
- 5.4 Special protective means for extinguishers: Not known.
- 5.5 Other data: The product is non-flammable.

6. Measures in the case of accidental escape

- 6.1 Safety precautions for protection of persons: Prevent contact with skin and eyes.
- 6.2 Safety precautions for protection of the environment: Prevent uncontrolled outflow after addition of water. Prevent flowing into the sewerage system.
- 6.3 Recommended cleaning methods and liquidation. Mechanical dry absorption.
- 6.4 Other data: After contact with water and hardening (about 6 hours) – can be liquidated like other waste products (category no. 17 0101 – Concrete).

7. Handling and storage instructions

- 7.1 Handling instructions: Handle the product in accordance with the product's Technical Sheet.
- 7.2 Storage instructions: Store in dry premises and protect against moisture.

8. Checking of exposure and protection of persons

- 8.1 Technical measures: Ensure thorough ventilation in the workplace.
- 8.2 Control parameters: Cement acceptable exposure limit for total concentration of dust PEL_C 10 mg/m³. Silica acceptable exposure limit for respir. fractions PEL_r 0,1 mg/m³. Vinylacetate acceptable exposure limit PEL 30 mg/m³ and maximum acceptable average concentration NPK-P 50 mg/m³. +
- 8.3 Personal protective means:
 - Protection of respiratory organs: Not necessary if control parameters is not exceeded.
 - Protection of eyes: Protective glasses.
 - Protection of hands: Protective gloves.
 - Protection of skin: Protective clothes.
- 8.4 Other data: Ensure usual measures for health protection during work with chemical substances and prevent contact with the eyes. Do not eat, drink or smoke when working. Wash your hands after working using hot water and soap. Treat your skin with suitable reparative means.

9. Physical and chemical properties

State of matter: Solid matter, powder.

Colour: Grey.

Odour: Odourless.

pH value (at °C): Only after mixing with water pH 11.0 – 13.5.

Melting temperature (range) (°C): N/A.

Boiling temperature (range) (°C): N/A.

Flash point (°C): Not known.

Flammability: Not known.

Pyrophoricity: Not known.

Limits of flammability: upper (mass %): Not known.

lower (mass %): Not known.

Oxidational properties: Not known.
Vapour tension (at °C): Not known.
Density (at °C): N/A.
Dissolubility (at °C): in water: up to 1.5 g/l.
in fats: Not known. (including specification of oil): Not known.
Distribution coefficient n-octanol/water: Not known.
Other data: N/A.

10. Stability and reactivity

Conditions under which the product is stable: The product is stable under common conditions.
Conditions which must be prevented: Uncontrolled contact with water.
Substances and materials with which the products must not be in contact: Not known.
Dangerous degradation products: Not known.
Other data: N/A.

11. Toxicological information

Acute toxicity: N/A.
- LD₅₀, orally, rat (mg/kg): N/A.
- LD₅₀, dermal, rat or rabbit (mg/kg): N/A
- LD₅₀, inhalation, rat, for aerosols or substances (mg/m³): N/A.
- LD₅₀, inhalation, rat, for gases and steam (mg/m³): N/A
Subchronic – chronic toxicity: N/A.
Product irritation:
Skin: irritating
Eyes: irritating
Sensitisation: Not known.
Carcinogenicity: Not known.
Mutagenicity: Not known.
Toxicity for reproduction: Not known.
Experience with persons: The product has the nature of an irritating substance. It irritates the eyes, respiratory organs and skin in the form of dust and after mixing with water. For very sensitive persons – risk of sensitisation during prolonged contact with skin.
Tests on animals: Not known.
Other data: N/A.

12. Ecological data

Acute toxicity for water organisms:
- LC₅₀, 96 hours, fish (mg/kg): N/A.
- IC₅₀, 72 hours, seaweed (mg/kg): N/A.
Degradability: N/A.
Toxicity for other environments: N/A.
Other data: Ecotoxic effects may occur only in the case of unintentional dispersal a very large volume of the product in contact with water due to increased value of pH.
CHSK: N/A
BSK₅: N/A
Other data: N/A.

13. Information about liquidation

Manner of liquidation of the product: When kept in a dry status, it can be re-used. After contact with water and hardening (about 6 hours), liquidation is possible in the same manner as other waste products (category no. 170101 – Concrete).
Manner of liquidation of contaminated package: Liquidation in the same manner as other waste products (category no. 150101 – composite package).
Other data: N/A.

14. Transport information

Ground transport

ADR/RID: N/A. Class: N/A. Number/letter: N/A.
Warning label: N/A. UN number: N/A
Notes: N/A.

Inland water transport

ADR/ADNR: N/A. Class: N/A. Number/letter: N/A.
Category: N/A.

Sea transport

IMDG: N/A. Class: N/A. UN number: N/A.
Type of package: N/A.

Substance contaminating sea: N/A.
Technical: N/A.

Air transport

ICAO/IATA: N/A. Class: N/A. UN number: N/A.
Type of package: N/A.

Technical name: N/A.

Notes: N/A.

Other data: A cement-based dry mortar and plaster mixture is not a dangerous substance pursuant to Sec. 22, par. 1 of Act No. 111/1994 Coll., on road transport, and is not subject to the provisions of the European Agreement on Road Transport of Dangerous Products (ADR) or the provisions of the Council for International Railway Transport of Dangerous Goods (RID).

15. Information about legal regulations

Legal regulations pertaining to the substance/product: Act No. 356/2003 Coll., on chemical substances and preparations and on the change of some acts pursuant to Act No. 188/2004 Coll., whereby turns Act No. 185/2001 Coll., about wastes and about change some of other acts, subsequently amended, Act No. 258/2000 Coll., about protection public health and about change some related acts and Act No. 178/2001 Coll., whereby will determine conditions wardships health employees at work.

Warning symbol: X_i - irritating

R-phrases:

R-36/37/38 Irritating to eyes and respiratory systems and skin.
R-43 May cause sensitization by skin contact.

S-phrases:

S-2 Keep out of reach of children.
S-22 Do not breathe in dust.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S-46 If swallowed, seek medical advice immediately and show this container or label.

16. Other information:

Declaration: The Date Safety Sheet contains data necessary for the assurance of health safety and protection during work and protection of the environment. The mentioned data correspond to the present status of knowledge and experience and are in accordance

with the valid legal regulations. They cannot be considered a guarantee of suitability and usability of the product for a specific application.

Index to abbreviations:

X_i - Irritating

F - Highly combustible

R 11 - Highly combustible

R 36/37/38 - Irritating to eyes and respiratory systems and skin.

R 43 - May cause sensitization by skin contact.

S 2 - Keep out of reach of children.

S 16 - Keep out of sources inflammation - Do not smoking.

S 22 - Do not breathe in dust.

S 23.2 - Do not breathe smokes.

S 25 - Avoid contact with eyes.

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 29 - Do not pour out to the canalization.

S 33 - Carry out preventative measures against discharge static electricity.

S 36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S 46 - If swallowed, seek medical advice immediately and show this container or label.