



BE SURE. BUILD SURE.

Page 1/8

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 24.02.2024

Version number 8 (replaces version 7)

Revision: 24.02.2024

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

#### · 1.1 Product identifier

· Trade name **Muraplast FK 77**

· Article number: 947

#### · 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: MC-Bauchemie Müller GmbH & Co. KG  
Am Kruppwald 1-8  
D-46238 Bottrop  
Tel.: +49(0)2041-101-0  
Fax.: +49(0)2041-101-400  
E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG  
Hagackerstr. 10  
CH-8953 Dietikon  
Tel.: +44-7400510  
Fax : +44-7400533

· Informing department: msds@mc-bauchemie.de

#### · 1.4 Emergency telephone number:

Tel.: +49 / (0)700 24112112 (MCR)

Tel.: +1 872 5888271 (MCR)

### 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 GB CLP regulation.

#### · 2.2 Label elements

##### · Labelling according to

Regulation (EC) No 1272/2008 Void

· Hazard pictograms Void

· Signal word Void

· Hazard statements Void

· Additional information: EUH208 Contains formaldehyde. May produce an allergic reaction.  
EUH210 Safety data sheet available on request.

#### · 2.3 Other hazards

##### · Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

GB

(Contd. on page 2)



BE SURE. BUILD SURE.

Page 2/8

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 24.02.2024

Version number 8 (replaces version 7)

Revision: 24.02.2024

Trade name Muraplast FK 77

(Contd. of page 1)

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures** Melaminpolykondensat/Naphthalinsulfonsäurepolykondensat in wäßriger Lösung
- **Description:** Mixture consisting of the following components.

#### · **Dangerous components:**

CAS: 50-00-0 EINECS: 200-001-8	formaldehyde Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Muta. 2, H341; Carc. 1B, H350; Skin Corr. 1B, H314; Skin Sens. 1, H317 Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 5 % ≤ C < 25 % Eye Irrit. 2; H319: 5 % ≤ C < 25 % Skin Sens. 1; H317: C ≥ 0.2 % STOT SE 3; H335: C ≥ 5 %	<0.1%
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### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Void
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Rinse out mouth and then drink plenty of water.  
In case of persistent symptoms consult doctor.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Void
- **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:** Dilute with much water.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

GB



BE SURE. BUILD SURE.

### Safety data sheet according to 1907/2006/EC, Article 31

Printing date 24.02.2024

Version number 8 (replaces version 7)

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Trade name Muraplast FK 77

(Contd. of page 2)

· **6.4 Reference to other sections**

No dangerous materials are released.

#### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

No special measures required.

· **Information about protection against explosions and fires:**

No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and containers:**

No special requirements.

· **Information about storage in one common storage facility:**

Not required.

· **Further information about storage conditions:**

None.

· **Storage class**

10

#### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Components with critical values that require monitoring at the workplace:**

CAS: 50-00-0 formaldehyde

WEL	Short-term value: 2.5 mg/m <sup>3</sup> , 2 ppm
	Long-term value: 2.5 mg/m <sup>3</sup> , 2 ppm
	Carc

· **Additional information:**

The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls**

No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.

· **Breathing equipment:**

Not required.

· **Hand protection**

Not required.

· **Material of gloves**

-

· **Penetration time of glove material**

-

· **Eye/face protection**

Not required.

GB

(Contd. on page 4)



BE SURE. BUILD SURE.

### Safety data sheet according to 1907/2006/EC, Article 31

Printing date 24.02.2024

Version number 8 (replaces version 7)

Revision: 24.02.2024

Trade name Muraplast FK 77

(Contd. of page 3)

#### SECTION 9: Physical and chemical properties

##### · 9.1 Information on basic physical and chemical properties

###### · General Information

· Colour:	Brown
· Smell:	Characteristic
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	100 °C (CAS: 9084-06-4 Naphthalene sulfonic acid, polymer with formaldehyde, sodium salt)
· Flash point:	>100 °C
· pH at 20 °C	10
· Viscosity:	
· Kinematic viscosity	Not determined.
· dynamic at 20 °C:	<100 mPas
· Solubility	
· Water:	Fully miscible
· Steam pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C	1.23 g/cm <sup>3</sup>

##### · 9.2 Other information

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.

##### · Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void

(Contd. on page 5)



BE SURE. BUILD SURE.

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Version number 8 (replaces version 7)

Revision: 24.02.2024

Trade name Muraplast FK 77

(Contd. of page 4)

· **Desensitised explosives**

Void

#### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used 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 hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

**CAS: 50-00-0 formaldehyde**

Oral	LD50	>200 mg/kg (rat)
Dermal	LD50	300 mg/kg (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

#### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.

(Contd. on page 6)



BE SURE. BUILD SURE.

### Safety data sheet according to 1907/2006/EC, Article 31

Printing date 24.02.2024

Version number 8 (replaces version 7)

Revision: 24.02.2024

**Trade name Muraplast FK 77**

(Contd. of page 5)

- **12.3 Bioaccumulative potential** *No further relevant information available.*
- **12.4 Mobility in soil** *No further relevant information available.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Endocrine disrupting properties** *The product does not contain substances with endocrine disrupting properties.*
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** *Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.*

#### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** *Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** *Dispose of packaging according to regulations on the disposal of packagings.  
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.*
- **Recommended cleaning agent:** *Water, if necessary with cleaning agent.*

#### SECTION 14: Transport information

- |                                                                                             |                 |
|---------------------------------------------------------------------------------------------|-----------------|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                       | Void            |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | Void            |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void            |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Void            |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                          | No              |
| · <b>14.6 Special precautions for user</b>                                                  | Not applicable. |

(Contd. on page 7)



BE SURE. BUILD SURE.

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Trade name Muraplast FK 77

(Contd. of page 6)

· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

#### SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture** No further relevant information available.

· **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

CAS: 50-00-0 formaldehyde

5%

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

#### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H335 May cause respiratory irritation.
- H341 Suspected of causing genetic defects.
- H350 May cause cancer.

· **Department issuing data specification sheet:**

Environment protection department.

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

(Contd. on page 8)



BE SURE. BUILD SURE.

Page 8/8

## Safety data sheet according to 1907/2006/EC, Article 31

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**Trade name Muraplast FK 77**

(Contd. of page 7)

*ICAO: International Civil Aviation Organisation*

*ADR: Accord relatif au transport international 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 Harmonised 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)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Acute Tox. 3: Acute toxicity – Category 3*

*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*

*Skin Sens. 1: Skin sensitisation – Category 1*

*Muta. 2: Germ cell mutagenicity – Category 2*

*Carc. 1B: Carcinogenicity – Category 1B*

**\* Data compared to the  
previous version altered.**

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