

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: **FiGM PFS+ Intumescent Graphite Mastic**

Revision Date: 17.01.2019

Version: 2.0 /en

fischer 
innovative solutions

Replaces version from: 14.01.2016

Print date: 17.01.2019

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

1.1 Product identifier

* Commercial Product Name **FiGM PFS+ Intumescent Graphite Mastic**

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

Relevant identified uses Flame-retardant agent.

Recommended restrictions None under normal processing. Observe technical data sheet.

1.3 Details of the supplier of the safety data sheet

Company designation fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
D-72178 Waldachtal
Telephone: +49(0)7443 12-0
FAX: +49(0)7443 12-4222
Email: info-sdb@fischer.de
Internet: www.fischer.de

* Marketer Great Britain: Mrs Mirka Valovicova, fischer Fixing (UK) Ltd, Hithercroft Road, Wallingford, Oxfordshire, OX10 9AT, Tel. 01491 827 920, Fax 01491 827 950 / Singapore: fischer systems Asia Pte. Ltd., 4 Kaki Bukit Ave. 1 #01-06, 417939 Singapore, Tel (65) 6741 0480 Fax (65) 6741 0481 www.fischer.sg

1.4 Emergency telephone number

Emergency telephone number +49(0)6132-84463 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

* Classification according to Regulation (EC) No. 1272/2008 Eye Irrit. 2; H319 Aquatic Chronic 3; H412

2.2 Label elements

* Hazard pictogram



GHS07

* Signal word

Warning

* H-statement(s)

H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.

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- * P-statement(s)
- P264: Wash hands thoroughly after handling.
 - P273: Avoid release to the environment.
 - P280: Wear protective gloves/protective clothing/eye protection/face protection.
 - P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313: If eye irritation persists: Get medical advice/attention.
 - P501: Dispose of contents/container to special waste treatment .

SECTION 3: Composition/information on ingredients

Hazardous ingredients

| Ingredient | | Classification (EC) 1272/2008 | Concentration |
|---------------------------|--------------------|---|---------------------------|
| nonylphenol, propoxyliert | CAS No.: 9064-15-7 | Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 2; H411 | 1.0 – 10.0 % by weight |

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice If symptoms persist, call a physician.
- If inhaled Not required
- In case of skin contact Not required
- In case of eye contact Not required
- If swallowed Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms No data available

4.3 Indication of any immediate medical attention and special treatment needed

- Immediate medical attention No data available
- Special medical treatment No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media Carbon dioxide (CO2)
Dry powder
Foam
Water spray jet
- Extinguishing media which must not be used for safety reasons High volume water jet

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5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases Heating or fire can release toxic gas.

5.3 Advice for firefighters

Special protective equipment for firefighting In the event of fire and/or explosion do not breathe fumes.

Additional information on firefighting none

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions none

6.2 Environmental precautions

Environmental precautions none

6.3 Methods and material for containment and cleaning up

Methods for cleaning up Use mechanical handling equipment.

6.4 Reference to other sections

Reference to other sections See chapter 8/13

6.5 Additional information

Other information Dispose of in accordance with local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling None under normal processing.

Advice on protection against fire and explosion No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements Store in accordance with local regulations.

Hints on storage assembly Store in accordance with the particular national regulations.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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

8.2 Exposure controls

| | |
|---|---|
| Respiratory protection | No personal respiratory protective equipment normally required. |
| Hand protection | not required under normal use |
| Eye protection | Eye protection: not required. |
| Skin and body protection | Body protection: not required. |
| General protective and hygiene measures | Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs. |
| Information on environmental protection regulations | No special environmental precautions required. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|------------------|-------|
| Physical state | solid |
| Form | paste |
| Colour | grey |
| pH | 7 |
| Relative density | 1,3 |

SECTION 10: Stability and reactivity

10.1 Reactivity

| | |
|-----------------------|---|
| Thermal decomposition | No decomposition if stored and applied as directed. |
|-----------------------|---|

10.2 Chemical stability

| | |
|--------------------|--|
| Chemical stability | Stable under recommended storage conditions. |
|--------------------|--|

10.3 Possibility of hazardous reactions

| | |
|---------------------|---|
| Hazardous reactions | No dangerous reaction known under conditions of normal use. |
|---------------------|---|

10.4 Conditions to avoid

| | |
|---------------------|---------------------------------------|
| Conditions to avoid | No decomposition if used as directed. |
|---------------------|---------------------------------------|

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10.5 Incompatible materials

Materials to avoid None known.

10.6 Hazardous decomposition products

Hazardous decomposition products No decomposition if used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Oral toxicity [mg/kg] Not applicable.
Dermal toxicity [mg/kg] Not applicable.
Inhalative toxicity [mg/l] Not applicable.
Irritant effect on skin No skin irritation
Irritant effect on eyes No eye irritation
* Irritant effect on the respiratory tract not applicable
Sensitization No known effect.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish [mg/l] Not applicable.
* Toxicity to daphnia [mg/l] Not applicable.
* Toxicity to algae [mg/l] Not applicable.

12.2 Persistence and degradability

Biodegradability
Remarks: No data available

12.3 Bioaccumulative potential

Bioaccumulation no data available

12.4 Mobility in soil

Mobility
Mobility: No data available

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

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12.6 Other adverse effects

Further information on ecology No information on ecology is available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations The product should not be allowed to enter drains, water courses or the soil.

Dispose of waste according to applicable legislation.

Waste Code

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

The following Waste Codes are only suggestions:

200000 – MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

Uncleaned empty packaging

Dispose of as unused product.

SECTION 14: Transport information

| | Land transport ADR/RID | Marine transport IMDG | Air transport ICAO/IATA |
|-------------------------------|------------------------|-----------------------|-------------------------|
| 14.2 Description of the goods | Non-dangerous goods | Non-dangerous goods | Non-dangerous goods |
| 14.2 UN proper shipping name | | Non dangerous good | Non dangerous good |
| Proper shipping name | Non dangerous good | | |

14.6 Special precautions for user

Precautions not required under normal use

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL and the IBC Code not applicable

14.8 Additional information

Other information (chapter 14.) Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

SECTION 15: Regulatory information

15.2 Chemical safety assessment

Safety assessment Not relevant.

SECTION 16: Other information

Relevant H-phrases H302: Harmful if swallowed.

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H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Wording of the hazard classes

Eye Irrit.: Serious eye irritation
Aquatic Chronic: Hazardous to the aquatic environment
Acute Tox.: Acute toxicity
Eye Dam.: Serious eye damage

* Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

| Classification | Evaluation |
|-------------------------|------------|
| Eye Irrit. 2; H319 | Calculated |
| Aquatic Chronic 3; H412 | Calculated |

Recommended restrictions

None under normal processing. Observe technical data sheet.

Modifications of the previous version are denoted with an asterisk (*).

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.