

Date of issue: 05.04.2017 Replaces Data Sheet of: 07.10.2014

"\*\*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

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

### 1.1 Product identifier

**Trade Name:** PYRO-SAFE GFM

**Article No.:** n.av.

**Preparation No.:** n.av.

**Registration No.:** n.av.

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

Use: Building material

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

#### 1.3.1 Address of the Company / Supplier:

Supplier: b.i.o. BRANDSCHUTZ GmbH, Gluesinger Strasse 86, D- 21217 Seevetal

Manufacturer: svt Brandschutz Vertriebsges. mbH International, Gluesinger Strasse 86, D- 21217 Seevetal

Telephone: +49 (0) 41 05 40 90 0, E-Mail: msds@svt.de

### 1.4

#### Emergency telephone number

Emergency - Telephone of Company / Undertaking

Telephone: +49-172-4090-400, german language

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification and labelling according to Directive 1272/2008/EC:**

Eye Dam. 1, Skin Irrit. 2, STOT SE 3

**Classification and labelling according to Directive 1999/45/EC:**

Irritant

### 2.2 Label elements

Classification according to 1272/2008/EC: Yes.

Applicable Exemptions:

Signal word(s): Danger

Component(s): contains Portland Cement

Hazard pictogram(s):



#### H - Phrases:

H315: Causes skin irritation.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

#### P - Phrases:

P102: Keep out of reach of children.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P261. P304+P340: Avoid breathing dust. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

#### Additional Markings:

If reducing agents are used, then the packaging of cement or cement-containing mixtures shall include information on the packing date, the storage conditions and the storage period appropriate to maintaining the activity of the reducing agent and to keeping the content of soluble chromium VI below 0,0002 %.

**Trade Name: PYRO-SAFE GFM**

Company / Supplier: b.i.o. BRANDSCHUTZ GmbH, Gluesinger Strasse 86, D- 21217 Seevetal  
 Telephone: +49-172-4090-400, Date of issue : 05.04.2017 Replaces Data Sheet of: 07.10.2014

Classification according to 1999/45/EC: No, not longer valid.

Applicable Exemptions: No.

Hazard Identification: Irritant

Component(s): contains Portland Cement

**R - Phrases: (not longer valid)**

R 37: Irritating to respiratory system.

R 38: Irritating to skin.

R 41: Risk of serious damage to eyes.

**S - Phrases: (not longer valid)**

S 2: Keep out of reach of children.

S 22, S 24/25: Do not breathe dust. Avoid contact with skin and eyes.

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

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

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

Additional Markings:

None.

**2.3 Other hazards**

Aqueous solution causes irritation of eyes, skin and mucous membranes.

**SECTION 3: Composition/information on ingredients****3.1 Substances****Dangerous Ingredients:****3.2 Mixtures****Chemical Characterisation:**

mixture with cement

**Dangerous Ingredients:**

<b>CAS - No.</b>	<b>Index - No.</b>	<b>EEC - No.</b>	<b>Material</b>	<b>m% - range</b>	<b>Symbol</b>	<b>R - phrases</b>
65997-15-1	266-043-4	266-043-4	Portland Zement	20 – < 70%	Xi	R 37, R 38, R 41
<b>CAS - No.</b>	<b>Index - No.</b>	<b>EEC - No.</b>	<b>Material</b>	<b>m% - range</b>	<b>Symbol</b>	<b>H - phrases</b>
65997-15-1	266-043-4	266-043-4	Portland Zement	20 – < 70%	GHS 05 / 07	H315, H318, H335

Text of R-/H- phrases: see section 16

**SECTION 4: First aid measures****4.1 Description of first aid measures****4.1.1 Inhalation:**

Move to fresh air. If coughing, difficult breathing or other symptoms of poisoning occur, even after several hours, call a physician immediately.

**4.1.2 Skin Contact:**

Before washing use a dry brush to remove dust from skin. Wash off immediately with soap and plenty of water. Take off all contaminated clothing immediately. If symptoms persist, call a physician.

**4.1.3 Eye Contact:**

Call a physician immediately. Rinse thoroughly with plenty of water, also under the eyelids.

**4.1.4 Ingestion:**

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Obtain medical attention.

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

Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Danger of retinal damage by inhalation of dusts, ingestion, contact with the eyes.

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

Treat symptomatically.

**Trade Name: PYRO-SAFE GFM**

Company / Supplier: b.i.o. BRANDSCHUTZ GmbH, Gluesinger Strasse 86, D- 21217 Seevetal  
Telephone: +49-172-4090-400, Date of issue : 05.04.2017 Replaces Data Sheet of: 07.10.2014

**SECTION 5: Firefighting measures****5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**5.1.2 Extinguishing Media to Avoid:**

high volume water jet

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

In the event of fire the following can be released: respirable dust

**5.3 Advice for firefighters****5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

**5.3.2 Additional Information:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

See chapter 8.2.2

Avoid dust formation.

**6.2 Environmental precautions**

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

**6.3 Methods and material for containment and cleaning up**

Use mechanical handling equipment. Avoid dust formation. Can be used without re-conditioning. Decomposes in contact with water.

**6.4 Reference to other sections**

None.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****7.1.1 Precautions for Safe Handling:**

Avoid dust formation. Provide for appropriate exhaust ventilation and dust collection at machinery. When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with skin and eyes.

**7.1.2 Precautions in Case of Fire and Explosion:**

None.

**7.2 Conditions for safe storage, including any incompatibilities****7.2.1 Storage Instructions:**

Store in original container. Never allow product to get in contact with water during storage.

**7.2.2 Store away from:**

Do not store near acids.

**7.2.3 Further Information on Storage Conditions:**

at Unsuitable storage conditions Decomposes in contact with water. May cause sensitization of susceptible persons by skin contact or by inhalation of aerosol or dust. Do not use containers made of aluminium

**7.3 Specific end use(s)**

n.av.

**Trade Name: PYRO-SAFE GFM**

Company / Supplier: b.i.o. BRANDSCHUTZ GmbH, Gluesinger Strasse 86, D- 21217 Seevetal  
 Telephone: +49-172-4090-400, Date of issue : 05.04.2017 Replaces Data Sheet of: 07.10.2014

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

- 8.1 Control parameters**
- | Material                  | Limit Value                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| General dust limit value: | TRGS 900: 1,25 (R) mg/m <sup>3</sup> (inhalation)<br>10 (I) mg/m <sup>3</sup> (inhalation)<br>(R): Respirable fraction; (I): Inhalable fraction |
| Soluble chromium VI       | below 0,0002 %.                                                                                                                                 |
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**  
 Avoid dust formation. Ensure adequate ventilation. Avoid contact with the skin and the eyes. When diluting, always add the product to water. Never add water to the product.
- 8.2.2 Individual protection measures**
- 8.2.2a Respiratory Protection:** Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust) . respirator with filter FFP1
- 8.2.2b Hand Protection:** Nitrilsoaked cotton protective gloves Request information on glove permeation properties from the glove supplier. Do not wear leather gloves.  
 Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- 8.2.2c Eye Protection:** safety glasses
- 8.2.2d Skin Protection:** protective suit
- 8.2.2e Further Information:** Observe wearing time limits:
- 8.2.3 Environmental exposure controls:** n.av.

**SECTION 9: Physical and chemical properties**

- 9.1 Information on basic physical and chemical properties**
- 9.1.1 Form:** powder **Colour:** grey **Odour:** odourless  
**Odour threshold:** n.av.
- 9.1.2 pH-value, undiluted:** n.av., pH-value, 1% aqueous solution: 11,0 - 13,5
- 9.1.3 Boiling point / Boiling - range (°C):** n.ap., Melting point / Melting range (°C): > 1250
- 9.1.4 Flash point (°C):** n.ap., closed cup
- 9.1.5 Flammability (EEC A10/A13):** n.ap.
- 9.1.6 Ignition temperature (°C):** n.ap.
- 9.1.7 Autoflammability (EEC A16):** n.ap.
- 9.1.8 Oxidising properties:** None.
- 9.1.9 Explosion hazard:** n.ap.
- 9.1.10 Explosion limits (Vol.%) lower:** n.ap., upper: n.ap.
- 9.1.11 Vapour pressure: / Vapour density (Air = 1):** n.av. / n.ap.
- 9.1.12 Density (g/ml):** Bulk density 900 - 1500
- 9.1.13 Solubility (in Water):** 3g / l (20°C) **Soluble in:**
- 9.1.14 Partition coefficient, n-Octanol / Water:** n.av.
- 9.1.15 Viscosity:** n.ap.
- 9.1.16 Solvent content (m %):** n.ap.
- 9.1.17 Thermal decomposition (°C):** n.ap.
- 9.1.18 Evaporation rate:** n.av.
- 9.2 Other information**  
 n.av.

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity**  
 None.
- 10.2 Chemical stability**  
 Stable under normal conditions.
- 10.3 Possibility of hazardous reactions**  
 No dangerous reaction known under conditions of normal use.
- 10.4 Conditions to avoid**  
 humid air and water
- 10.5 Incompatible materials**  
 acids aluminium Corrodes base metals.
- 10.6 Hazardous decomposition products**  
 None.

**Trade Name: PYRO-SAFE GFM**

Company / Supplier: b.i.o. BRANDSCHUTZ GmbH, Gluesinger Strasse 86, D- 21217 Seevetal  
 Telephone: +49-172-4090-400, Date of issue : 05.04.2017 Replaces Data Sheet of: 07.10.2014

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****11.1.1 Substances**

n.ap.

**11.1.2 Mixtures**

Acute Toxicity:

Inhalation: 5 mg/L rat

Ingestion: n.av.

Skin Contact: 2000 mg/kg rabbit

Irritation / corrosion (to skin / eye): Risk of serious damage to eyes. Irritating to skin.

Sensitisation: None.

Carcinogenicity: None.

Mutagenicity: n.av.

Teratogenicity: n.av.

Narcotic Effects: None.

**11.1.3 – Practical Experience**

11.1.12 n.av.

**11.1.13 Practical Experience**

Observations relevant for classification:

None.

Further Observations:

Prolonged skin contact may cause skin irritation and/or dermatitis.

Classification of the preparation has been done by calculation in accordance with EEC directives.

**SECTION 12: Ecological information****12.1 Toxicity**

Ecological injuries are not known or expected under normal use.

**12.2 Persistence and degradability**

The methods for determining biodegradability are not applicable to inorganic substances.

**12.3 Bioaccumulative potential**

n.av.

**12.4 Mobility in soil**

n.av.

**12.5 Results of PBT and vPvB assessment**

n.av.

**12.6 Other adverse effects**

12.6.1 COD-Value, mg/g: n.av.

12.6.2 BOD<sub>5</sub>-Value, mg/g: n.av.

12.6.3 AOX-Remarks: n.ap.

12.6.4 Significant Components: None.

12.6.5 Other adverse effects: None.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

13.1.1 Recommendation: D 1

Waste - Code - No.: 17 09 04

The Waste code should be assigned in discussion  
 between the user, the producer and the waste  
 disposal company.

In addition comply with the regional authorities.

**13.2 Contaminated Packaging**

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues. Offer rinsed packaging material to local recycling facilities.

13.2.2 Safe Handling: As described under Residues. Handle in accordance with good industrial hygiene and safety practice.

**Trade Name: PYRO-SAFE GFM**

Company / Supplier: b.i.o. BRANDSCHUTZ GmbH, Gluesinger Strasse 86, D- 21217 Seevetal  
 Telephone: +49-172-4090-400, Date of issue : 05.04.2017 Replaces Data Sheet of: 07.10.2014

**SECTION 14: Transport information**

	<b>ADR</b> Not a dangerous substance as defined in the above regulations.	<b>IMDG</b> Not a dangerous substance as defined in the above regulations.	<b>IATA</b> Not a dangerous substance as defined in the above regulations.
14.1	<b>UN number</b>		
14.2	<b>UN proper shipping name</b>		
14.3	<b>Transport hazard class(es)</b>		
14.4	<b>Packing group</b>		
14.5	<b>Environmental hazards</b>		
14.6	<b>Special precautions for user</b>		
	Transport-category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger)  Packing Instructions (Cargo)
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>		
		None.	

**SECTION 15: Regulatory information**

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 n.av.
- 15.2 **Chemical safety assessment :**  
 None.

**SECTION 16: Other information****Text of R / H phrases mentioned in Section 3**

R 37: Irritating to respiratory system.  
 R 38: Irritating to skin.  
 R 41: Risk of serious damage to eyes.  
 H315: Causes skin irritation.  
 H318: Causes serious eye damage.  
 H335: May cause respiratory irritation.

This datasheet has been compiled in accordance with EU regulation 453/201.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

**Trade Name: PYRO-SAFE GFM**

Company / Supplier: b.i.o. BRANDSCHUTZ GmbH, Gluesinger Strasse 86, D- 21217 Seevetal

Telephone: +49-172-4090-400, Date of issue : 05.04.2017 Replaces Data Sheet of: 07.10.2014