

Safety Data Sheet

according to Regulation (EC) No 1907/2006

PYRO-SAFE® GFM

Revision date: 14.01.2020

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

1.1. Product identifier

PYRO-SAFE® GFM

UFI: 623N-1NFC-1QC1-JAA7

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

Use of the substance/mixture

Dry Mixed Mortars

1.3. Details of the supplier of the safety data sheet

Company name: svt Brandschutz
Vertriebsgesellschaft mbH International
Street: Glüsinger Straße 86
Place: D-21217 Seevetal
Telephone: +49 (0) 4105 / 4090 - 0 Telefax: +49 (0) 4105 / 4090 - 32
e-mail: info@svt.de
Internet: www.svt.de
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

1.4. Emergency telephone number: INTERNATIONAL: +49 (0) 6132 / 84463 (GBK GmbH, Ingelheim)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

May cause respiratory irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Portland cement

Signal word: Danger

Pictograms:



Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary statements

P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.

Additional advice on labelling

The product is labeled in accordance with Regulation (EC) no. 1272/2008 (GHS).

2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

Dust particles, like other inert materials, are mechanically irritating the eyes. May cause irritation of respiratory tract. Aqueous solution is alkaline. May cause eye/skin irritation.

The preparation is low in chromate because the level of sensitizing chromium (VI) is reduced by additives to less than 2 ppm in the cement content of the ready-to-use mortar. Prerequisite for the effectiveness of the chromate reduction is the proper storage and observance of the expiry date (see point 7.2). In case of improper storage (ingress of moisture) or superimposition, the contained chromate reducer may lose its effectiveness.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of the following substances with non-hazardous admixtures

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
65997-15-1	Portland cement			20 - 50 %
	266-043-4			
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Water forms corrosive alkaline solutions. (pH 11 - 11,5) - Reacts alkaline with water and become solid.
Remove contaminated clothing immediately and dispose of safely. Ensure adequate ventilation.
Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust deposits.

After inhalation

Take affected person into fresh air. Consult a physician.
Get medical attention, if respiratory irritation develops or if breathing becomes difficult.

After contact with skin

Remove contaminated soaked clothing immediately.
In case of contact with skin wash off immediately with plenty of water.
Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes.
Do not rub eyes - contains inorganic fillers, which irritate the eyes mechanically like other inert materials. Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

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After ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Consult a physician.

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

Causes skin irritation.

Causes serious eye damage.

May cause respiratory irritation.

Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Dust particles, like other inert materials, are mechanically irritating the eyes.

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

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product itself does not burn. Use fire fighting measures that suit the environment and products stored.

Foam, carbon dioxide (CO₂), dry chemical, water-spray

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

None

5.3. Advice for firefighters

In case of fire, wear suitable respiratory equipment with positive air supply.

Additional information

Knock down dust with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes, skin or mucous membrane. Avoid dust formation. Do not breathe dust.

Ensure adequate ventilation, especially in confined areas.

6.2. Environmental precautions

Do not discharge large amounts into the drains or bodies of water. Inform competent authority about release into the sewage, ground or into waters.

6.3. Methods and material for containment and cleaning up

Pick up mechanically, avoiding dust, and provide disposal in suitable recipients. Use chemical neutralizers.

6.4. Reference to other sections

Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures necessary if used correctly. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Ensure adequate ventilation, especially in confined areas. Avoid the formation of dust. Avoid contact with skin, eyes and clothing. Observe the technical data sheet.

Advice on protection against fire and explosion

No special precautions required.

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Further information on handling

Take the usual precautions when handling with chemicals. When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.
Keep only in original container.

Hints on joint storage

Protect from moisture.

Further information on storage conditions

No special storage conditions required.

7.3. Specific end use(s)

See identified use in SECTION 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
65997-15-1	Portland cement, respirable dust	-	4		TWA (8 h)	WEL

8.2. Exposure controls



Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Take the usual precautions when handling with chemicals. Clean skin thoroughly after working. Use barrier skin cream. Keep away from food, drink and animal feeding stuffs. Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and at the end of workday. Avoid contact with the skin and the eyes. At work do not eat, drink, smoke or take drugs.

Eye/face protection

Tightly fitting goggles (EN 166).

Hand protection

Chemical-resistant gloves (EN 374), Safety gloves for the site (EN420, Cat. 1 or 2).

Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration.

Skin protection

Protective clothing

Respiratory protection

In case of dust formation wear micro dust mask. Particle filtering half mask (protection level FFP 3 or FFP3 No. D).

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Powder
Colour: Grey
Odour: Odourless

pH-Value: 10 - 13 (10 % in water)

Changes in the physical state

Melting point: < 1350 °C
Initial boiling point and boiling range: Not applicable
Flash point: Not applicable
Sustaining combustion: Not sustaining combustion

Flammability

Solid: Not applicable

Explosive properties

The product is not explosive.

Lower explosion limits: Not applicable
Upper explosion limits: Not applicable
Ignition temperature: No data available

Auto-ignition temperature

Solid: No data available

Decomposition temperature: No data available

Oxidizing properties

Not fire-promoting.

Vapour pressure: Not applicable

Density: No data available

Bulk density: 900 - 1500 kg/m³

Water solubility: ~ 3 g/L

Solubility in other solvents

No data available

Partition coefficient: No data available

Viscosity / dynamic: Not applicable

Viscosity / kinematic: Not applicable

9.2. Other information

Solid content: 100.0 %

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity with the intended use is not associated with any hazards.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

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None under normal processing.

10.4. Conditions to avoid

Protect from moisture.

10.5. Incompatible materials

Strong acids., strong oxidizing agents

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

Further information

Keep only in original container.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

Health injuries are not known or expected under normal use.

Acute toxicity

Based on available data, the classification criteria are not met.

Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.

Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

Sensitising effects

Based on available data, the classification criteria are not met.

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation. (Portland cement)

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.

SECTION 12: Ecological information

12.1. Toxicity

Ecological data are not available.

12.2. Persistence and degradability

Methods for the determination of biodegradability are not applicable to inorganic substances. Inorganic product.

12.3. Bioaccumulative potential

There is no indication of bioaccumulation potential.

12.4. Mobility in soil

Not determined

12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

12.6. Other adverse effects

Not determined

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Further information

Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Disposal in accordance with local regulations. Should not be disposed of with household waste. Do not empty into drains. Wet the leaked product with water and allow to solidify on air.

List of Wastes Code - residues/unused products

170101 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); concrete, bricks, tiles and ceramics; Concrete

List of Wastes Code - contaminated packaging

150101 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); paper and cardboard packaging

Contaminated packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product.

Cleaning agent: Water

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

2004/42/EC (VOC): 0 g/l
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III):

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Changes in chapter: 1.1, 4.1, 4.2, 7.3, 9.1

Abbreviations and acronyms

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (Agreement concerning the international carriage of Dangerous goods by Road)
IMDG-Code: International Maritime Code for Dangerous Goods
ICAO: International Civil Aviation Organisation (IATA: The International Air Transport Association)
GHS: Globally Harmonized System of Classification, Labelling and Packaging of Chemicals

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
STOT SE 3; H335	Calculation method

Relevant H and EUH statements (number and full text)

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)