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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

### Identification of the substance or preparation

Product name: Fire Protection Mortar PYRO-SAFE NOVASIT BM

### Use of the substance/preparation

Recommended use: mineral dry-mortar to mix with water

### Producer

svt Brandschutz Vertriebsgesellschaft mbH International  
Gluesinger Str. 86  
D-21217 Seevetal  
Tel +49-4105-4090-0  
msds@svt.de

### Emergency phone

DE: +49-172-4090-400  
Department: Central Technology

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## 2. HAZARD IDENTIFICATION

### Hazard indication



Xi  
irritating

### Hazard to human and environment

R 41 Hazardous to eyes

### Classification system

The classification is in accordance with current EC lists and is completed by information from specialist literature and by company information.

### GHS – Labellingelements



Danger

H318 Causes serious eye damage

### Warning

H315 Causes skin irritation

EUH070 Toxic by eye contact

### Prevention

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

### Reaction

P305+P351+P338 IN CASE OF CONTACT WITH 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 or doctor/physician.

P321 Specific treatment (see on this label).

P 362 Take off contaminated clothing and wash before reuse.

P332+P313 If skin irritation occurs: get medical advice/attention.

### Additional information

Hazardous identification "irritating" does not apply for dry chemical, but only after contact with water or dampness.

Preparation is nearly without chrome according to TRGS 613. Concentration of sensitizing chrome (VI) in ready mortar is reduced by additive less than 2 ppm. Requirements for the efficiency of chrome reduction are correct storage and taking into account a use-by date.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical characterization

#### Description

Compound of hydraulic binder and mineral additive

Name	CAS-No	EINECS	Symbol(s)	R-phrases	Concentration
Portland cement	65997-15-1	266-043-4	☒ Xi Hazard  3.3/1 Warning  3.8/3, 3.2/2	37/38-41	10 – 25 %

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### 4. FIRST AID MEASURES

#### General information

Take off dirty, imbued clothes immediately

#### Skin contact

Wash off with a plenty of water

In case of long-lasting skin-irritation consult medical advice

#### Eye contact

Rinse for a few minutes with water. Take out contact lenses. Consult medical advice immediately

#### Ingestion

Rinse out mouth and drink a lot of water

Consult medical advice, immediately

#### Inhalation

Inhale fresh air

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### 5. FIRE FIGHTING MEASURES

#### Suitable extinguishing media

The product is non combustible as delivered and ready for use. Extinguishing medias have to be suitable for the fire protection in immediate vicinity.

#### Extinguishing media which must not be used for safety reasons

Full water-jet

#### Special equipment for fire-fighters

Use breathing apparatus

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### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions

Avoid dust formation

Avoid contact with eyes and skin

Take care for an adequate air conditioning

Do not breath in dust

#### Environmental precautions



**Do not let drop into soil, waterways or sewerage systems.**

#### Methods for cleaning

Take up mechanically

Avoid dust formation

#### Further precautions

Hardened material can be disposed like waste (see section 13)

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## 7. **HANDLING AND STORAGE**

### **Handling**

#### **Details to safe handling**

- Avoid dust formation
- Avoid contact with skin and eyes

#### **Details to explosion- and fire protection**

- No special measures

### **Storage**

- Keep containers and bags closed and product dry.
- Store only in closed original packaging

#### **Detail to storage with another products**

- Do not store together with acids.

#### **Further storage precautions**

- Take away from water and moisture
- Avoid dust formation

### **Storage class**

- VCI storage class: 13
- non-combustible solid material

#### **Classification according to BetrSichV (work safety regulation) -**

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## 8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Further details to structuring technical equipment**

- No further details, see item 7

### **Occupational exposure controls**

#### **65997-15-1 portland cement (10 – 25 %)**

- AGW 5 E mg/m<sup>3</sup>
- DFG

#### **Perlites (2,5 – 10,0 %)**

- AGW 0,3 A mg/m<sup>3</sup>
- DFG, Y

### **Further details**

- Information based on data sheet valid at the time of compilation

### **Individual protective equipment**

#### **General protection and hygiene measures**

- Take away from food, drink or animal feeding stuffs
- Undress dirty clothing immediately
- Do not inhale in dust, fog or smog
- Avoid contact with skin and eyes
- Do not eat, drink or smoke while working
- After work wash uncovered parts of the body with water and soap
- Protect skin by creaming before and after work

#### **Respiratory protection**

- Take into consideration instruction BGR 190 (instruction of professional association) - "Instruction for the use of respiratory protection"

#### **Hand protection**

- To minimize the moisture in the glove through perspiration changing of gloves during a shift is required

- Take into consideration instruction BGR 195 - "Instruction for the use of protection glove"

#### **Eye protection**



#### **Protective goggles**

- Take into consideration instruction BGR 192 - "Instruction for the use of eyes and face protection"

#### **Body protection**

- Protective clothing
  - Take into consideration instruction BGR 189 - "Instruction for the use of protective clothing"
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

Appearance: powder  
Colour: grey  
Odour: odourless

### State change

Melting point / Melting range: not determined

**Flash point:** not applicable

**Self-igniting:** product is not flammable

**Explosion hazard:** product is not explosive

**Density (dry)** 850-950 kg/m<sup>3</sup>

### Solubility in/miscibility with

Water: partially soluble

Organic solvents: 0.0%

Water: 0.0%

**Solids content:** 100.0%

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## 10. STABILITY AND REACTIVITY

### Conditions to avoid

No decomposition in case of proper use

### Materials to avoid

Avoid contact with acids.

### Hazardous decomposition products

No dangerous decomposition products known.

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## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Local effects

##### on the skin

Irritates skin and mucosa

##### Eyes

Irritates eyes

### Sensitization

Sensitization possible by contact with skin

### Further toxicological details

The product shows on the basis of calculation method of the General EC Classification Guidelines for Preparations the following dangers:  
irritating

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## 12. ECOLOGICAL INFORMATION

### General information

WGK: 1 : weakly hazardous to water

Do not let drop undiluted or great quantities of the product into canalization, water or ground water.

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## 13. DISPOSAL CONSIDERATIONS

### Product

### Recommendation



**Do not dispose together with house-waste. Do not let get into canalization**

Mix material with water and let harden.

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## European Waste Catalogue

10 13 11 wastes from the production of cement-based composite materials other than those mentioned in

10 and 13 09 10 13 10

10 13 14 waste concrete and concrete sludge

## Packaging handling

### Reccomendation

Disposal according to official regulations

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## 14. TRANSPORT INFORMATION

Land transport (ADR/RID) and GGVS/GGVE (cross border/inland)

ADR/RID - GGVS/E class -

Number/letter not hazardous

UN "Model Regulation" -

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## 15. REGULATORY INFORMATION

Labeling according to EC guidelines:

The product has been classified and marked according to EC guidelines//GefStoffV:.

Code letter and hazard designation of product:



Xi irritating

### R phrases

41 Can cause heavy eye-damages

### S phrases

2 Take away from children

22 Do not breath in dusk

25 Avoid contact with eyes

26 In case of contact with eyes rinse immediately with water and consult medical advice

29 Do not let product get into sewerage systems

36/37/39 Wear suitable protective clothing, gloves and face-protection while working

46 In case of swallowing consult medical advice and show packaging or label

### National regulations

Classification according to BetrSichV (instruction of industrial safety)

WGK= 1 (Germany) – weakly hazardous to water

### UVV:

Personal protective equipment (VBG 1)

### BG-Data sheet

M 004 "Irritant substances/ caustic substances

M 053 "General safety measures for dealing with hazardous substances

M 042 "Skin Protection

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## 16. OTHER INFORMATION

This information is based on the present state of our knowledge. It does not guarantee the product properties and does not establish contract rights.

According to item 6 (3) RL 1999/45/EG the mortar is not more classed as R 43, because the sensitizing effect of mortar based on the reciprocal effect of chrome and reductive has been overrated.

**Text in Chapter 2, the R-phrases (no classification of the recipe, but the classification of raw materials)**

38 Irritates respiratory organs and skin

41 Risk of eye-damages

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## Abbreviations and Acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

The information in this Safety Data Sheet are based on our today's knowledge. They shall describe our products with respect to safety aspects and do not guarantee on special properties. The different work conditions of the final user are out of our control. The product must not be transferred to any different use as named under section 1. The final user is responsible for compliance with all relevant official regulations.