

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## PYRO-SAFE® NOVASIT-K2

Revision date: 14.01.2020

Page 1 of 9

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

#### 1.1. Product identifier

PYRO-SAFE® NOVASIT-K2

UFI: 9T2N-HND5-3QCJ-J9K1

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

##### **Use of the substance/mixture**

Mineral dry mortar for mixing with water

#### 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

Calcium dihydroxide

**Signal word:** Danger

**Pictograms:**



##### **Hazard statements**

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

##### **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## PYRO-SAFE® NOVASIT-K2

Revision date: 14.01.2020

Page 2 of 9

P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see information on this label).
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

### 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

Dry mortar made from mineral binders and aggregates

#### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
65997-15-1	Portland cement			10 - 25 %
	266-043-4			
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335			
1305-62-0	Calcium dihydroxide			2,5 - 10 %
	215-137-3		01-2119475151-45	
	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.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## PYRO-SAFE® NOVASIT-K2

Revision date: 14.01.2020

Page 3 of 9

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.

### **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 (CO<sub>2</sub>), 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.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## PYRO-SAFE® NOVASIT-K2

Revision date: 14.01.2020

Page 4 of 9

### 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.

#### 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 <sup>3</sup>	fibres/ml	Category	Origin
1305-62-0	Calcium hydroxide	-	5		TWA (8 h)	WEL
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).

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## PYRO-SAFE® NOVASIT-K2

Revision date: 14.01.2020

Page 5 of 9

### 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

Not required under normal use.  
In case of dust formation wear micro dust mask. Particle filtering half mask (protection level FFP 3 or FFP3 No. D).

## SECTION 9: Physical and chemical properties

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

Physical state:	Powder	
Colour:	Grey	
Odour:	Odourless	
pH-Value:		No data available

#### Changes in the physical state

Melting point:		Not applicable
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 (at 20 °C):		No data available
Water solubility:		Slightly soluble

#### 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		

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## PYRO-SAFE® NOVASIT-K2

Revision date: 14.01.2020

Page 6 of 9

### 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**

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.

##### **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.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## PYRO-SAFE® NOVASIT-K2

Revision date: 14.01.2020

Page 7 of 9

### **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

### **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)**

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

### **Inland waterways transport (ADN)**

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

### **Marine transport (IMDG)**

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

### **Air transport (ICAO-TI/IATA-DGR)**

- |  |  |
|--|--|
| <b><u>14.1. UN number:</u></b>               | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b> | No dangerous good in sense of this transport regulation. |

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## PYRO-SAFE® NOVASIT-K2

Revision date: 14.01.2020

Page 8 of 9

**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.

### **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



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**PYRO-SAFE® NOVASIT-K2**

Revision date: 14.01.2020  
warranty regulations.  
(n.a. = not applicable; n.d. = not determined)

Page 9 of 9

---

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