

## Safety Data Sheet

**Safety Data Sheet according to (EC) No 1907/2006**

**Revision Date: 08.03.2017**

**Intumescent construction materials 11731-012**

### Section 1: Identification of the product and the company's undertaking

#### Product Identifier

Intumescent Construction Material

#### Further trade names

Kerafix® Flextrem 100  
Kerafix® Flexpan 200  
Kerafix® Flexpan 200 L  
Kerafix® Flexpan 200 NG-A  
Kerafix® Flexpan 200 NG-G  
Kerafix® Flexpan 200 NG-SP  
Kerafix® Flexpan 200 SP  
Kerafix® Flexpan 200 W  
Kerafix® Flexpan 300  
Kerafix® Flexpan XF  
Kerafix® Flexplus 300  
Kerafix® Flexpress 100  
Kerafix® Flexpress 300  
Kerafix® Flexpress 450 G  
Kerafix® Flexstop 200  
Kerafix® Flexting 100  
Kerafix® Flexting 250  
Kerafix® Everseal T N  
Kerafix® Everseal P N  
Kerafix® FXL  
Roku® Strip L 110  
Roku® Strip EM

#### Relevant Uses of the Product

Uses of the product are in structural fire protection and expands under high temperature.

#### Details of the supplier of the Safety Data Sheet

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## **Section 2: Hazards**

### **Classification of the Product**

This product is not classified as hazardous according to Regulation (EC) No 1272/2008.

### **Labelling**

This product does not require a hazard warning label in accordance with EC directives.

### **Other hazards**

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

## **Section 3: Composition and information on ingredients**

### **Chemical characterisation**

This product is an intumescent flame retardant system consisting of a source of carbon, a bonding material and special additives.

This product is flame retardant.

Hazardous components: Not applicable

## **Section 4: First Aid Measures**

### **Description of first aid measures**

This product has no hazards that require special first aid measures.

When used as intended, exposure through inhalation is not to be expected. In case of inhaling dust (possibly caused by abrasion) the affected person should be moved into fresh air. In case of sickness seek medical advice.

After contact with skin, remove and wash contaminated clothes before re-use. Wash off immediately with soap and plenty of water. Consult a doctor if skin irritation persists.

After contact with eyes, remove contact lenses, rinse eyes and under the eyelids thoroughly with water and consult a doctor immediately.

After ingestion, rinse out the mouth and drink plenty of water. Do not induce vomiting. Consult a doctor immediately.

### **Symptoms and effects**

See Section 11

### **Immediate medical attention and special treatment required**

No data available

## **Section 5: Firefighting Measures**

### **Extinguishing**

This product itself does not burn. Use fire extinguishing methods in accordance to the surroundings.

There are no special hazards associated with this product.

Firefighters are advised to wear protective equipment in accordance with the conditions.

## **Section 6: Accident Precautions**

Suitable eye protection, gloves and protective clothing should be worn.

Dispose of this product in closed containers. Do not discharge into drains, surface water or ground water.

When cleaning up, dispose the product into a suitable container, avoiding the disperse of dust.

See Section 8 for information on personal protective equipment.

## **Section 7: Handling and Storage**

### **Safe handling**

Ensure there is adequate ventilation especially in confined areas and avoid the formation of dust.

There are no specific fire preventions necessary but note the general rules of internal fire prevention.

Take the usual precautions when handling chemicals. Wash hands before breaks and at the end of the working day. Keep away from food, drink and animal feed. Remove and wash contaminated clothes before re-use.

### **Safe storage**

Protect against physical damage of the product.

Protect against heat, direct sunlight and freezing. Keep tightly closed in a cool and dry place.

### **End Use**

This product is for structural fire protection and expands under high temperature.

## **Section 8: Exposure controls and personal protection**

### **Exposure**

Technical and organisational measures must be applied.

Ensure there is adequate ventilation especially in confined areas and avoid the formation of dust.

### **Personal protection**

Take the usual precautions when handling chemicals. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothes before re-use.

### **Eye and face protection**

Tightly fitting goggles (EN166)

Eye wash bottle with pure water (EN15154)

### **Hand protection**

Protective gloves (EN374)

Safety gloves (EN420 cat 1 or 2)

Suitable material for extended and direct contact (EN374) (protection index 6, corresponding to a permeation rate >480 minutes) Nitrile rubber or nitrile latex – NBR (0.35mm)

Requirements can vary as a function of use, therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

### **Skin protection**

Wear closed and long working clothes

### **Respiratory protection**

Breathing protection is not necessary in the case of correct usage under normal conditions.

## Section 9: Physical and chemical properties

### Basic physical and chemical properties

Physical state:	Solid material
Colour:	According to product specification
Odour:	Faint, characteristic

### Changes to the physical state

Initial boiling point and boiling rate:	Not determined
Flash Point:	Not applicable
Lower explosion limits:	Not determined
Upper explosion limits:	Not determined
Water solubility (at 20°C)	Immiscible
Solubility in other solvents:	Not determined
Ignition temperature:	Not applicable
Explosive properties:	The product is not explosive
Decomposition temperature:	Not determined
Viscosity / dynamic (at 20°C)	Not determined
Viscosity / kinematic	Not determined
Oxidising properties:	The product is not self-igniting

## Section 10: Stability and reactivity

At the temperature of  $\geq 140^{\circ}\text{C}$  (depending on construction material) there starts a physico-chemical reaction which expands the volume.

The product is stable under normal conditions.

There are no hazardous reactions known.

Avoid contact with heat.

This material is incompatible with strong oxidising agents, strong acids and strong bases.

Hazardous decomposition products are ammonia, aldehydes, alcohols, organic acid, carbon dioxide ( $\text{CO}_2$ ), Carbon monoxide ( $\text{CO}$ ), sulphur oxide and nitrous oxides ( $\text{NO}_x$ )

## Section 11: Toxicology

### Toxicokinetics, metabolism and distribution

No toxicological data available

### Acute toxicity

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

### Irritation and corrosivity

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

Repeated or prolonged exposure may cause irritation to the skin and eyes.

### Sensitising effects

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

No sensitising effects known

### STOT – single exposure

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

### **Severe effects after repeated or prolonged exposure**

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

### **Carcinogenic, mutagenic and toxic effects for reproduction**

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

### **Aspiration hazard**

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

### **Further information**

If handled appropriately and in accordance with the general hygienic rules, no damage to health have become known.

## **Section 12: Ecology**

### **Toxicity**

No data available

### **Biodegradability**

Not readily degradable

### **Bioaccumulative potential**

The product has not been tested because of the products consistency and low solubility in water, bioavailability is not likely

### **Mobility in soil**

No data available

### **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 substance

## **Section 13: Disposal considerations**

### **Disposal**

Dispose of this product in accordance with local regulations.

- |        |  |
|--------|--|
| 170904 | CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); other construction and demolition wastes; mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03. |
| 150102 | WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED: packaging (including separately collected municipal packaging waste); plastic packaging.                                   |

Empty containers should be taken for local recycling, recovery or waste disposal.

## **Section 14: Transport**

**Land transport (ADR/RID); Marine transport (IMDG); Air transport (IATA)(ICAO); Inland waterways transport (ADN)**

### **UN number**

Not applicable. No hazardous material as defined by the transport regulations.

**UN proper shipping name**

Not applicable. No hazardous material as defined by the transport regulations.

**Transport hazard class(es)**

Not applicable. No hazardous material as defined by the transport regulations.

**Packing group**

Not applicable. No hazardous material as defined by the transport regulations.

**Environmental hazards**

Not applicable. No hazardous material as defined by the transport regulations.

**Special precautions for user**

Not applicable. No hazardous material as defined by the transport regulations.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC code**

Not applicable. No hazardous material as defined by the transport regulations.

**Section 15: Regulatory information****EU regulatory information**

This product is not classified as dangerous in accordance with Regulation (EC) No 1272/2008 GHS

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

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

**Section 16: Other information****Abbreviations and acronyms**

ADR	Accord europeen relative au transport international des marchandises Dangereuses par Route
RID	Reglement concernant le transport international ferroviaire de marchandises dangereuses
ADN	Accord europeen relative au transport international des marchandises dangereuses par voie de navigation interieure
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
MARPOL	International Convention for the Prevention of Pollution from Ships
GHS	Globally harmonised system of classification and labelling of chemicals
REACH	Registration, Evaluation, Authorisation and restriction of Chemicals
EN	European Norm
PBT	Persistent Bio-accumulative and Toxic
vPvB	Very Persistent and Very Bio- accumulative

**Further information**

Content of sections 4 to 8 and 10 to 12 do not relate to the application of the product but to the avoidance of accidents and irregularities.

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

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