

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

### 1.1. Product identifier

Kerafix® Firestop Putty

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

#### Use of the substance/mixture

Acrylic sealant

Structural fire protection

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

Company name: Rolf Kuhn GmbH  
Street: Jägersgrund 10  
Place: D-57339 Erndtebrück  
Telephone: +49 2753 5945-0  
Telefax: +49 2753 5945-21  
Contact person: Jörg Six  
e-mail: anwendungstechnik@rolfkuhn.com (Contact for technical information)  
Internet: www.kuhn-brandschutz.com

### 1.4. Emergency telephone

+49 (0) 6132 / 84463 (GBK GmbH)

#### number:

Responsible for the safety data sheet: GBK GmbH, Ingelheim,

sds@gbk-ingelheim.de

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008

#### Special labelling of certain mixtures

EUH208 Contains Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

#### 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.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

pasty material; contains: Acrylic copolymer, Fillers, additives.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

No hazards which require special first aid measures.

#### After inhalation

Ensure of fresh air. If necessary, give oxygen. Care for immobility and protect against heat loss. If symptoms persist, call a physician.

#### After contact with skin

Wash off immediately with soap and plenty of water. Consult a doctor if skin irritation persists.

#### After contact with eyes

Remove contact lens. Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

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**After ingestion**

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

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

Refer to section: 11.

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

No data available.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

**Unsuitable extinguishing media**

Not known.

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

The formation of toxic gases is possible during heating or in case of fire (for example: carbon monoxide and traces of incompletely burned hydrocarbons).

**5.3. Advice for firefighters**

Environment-independent breathing apparatus.

**Additional information**

In case of fire and/or explosion do not breathe fumes.

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**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.

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

Dispose of contaminated material as waste according to section 13. Take up mechanically.

**6.4. Reference to other sections**

Information for personal protective equipment look up section 8.

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Ensure adequate ventilation, especially in confined areas. Information for personal protective equipment look up section 8.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Store in cool, dry place in tightly closed containers. Prevent penetration into the ground.

**Advice on storage compatibility**

Do not store together with food.

**Further information on storage conditions**

Protect from heat and direct solar radiation.

**7.3. Specific end use(s)**

Acrylic sealant

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

**8.1. Control parameters**

**Additional advice on limit values**

The product contains no relevant quantities of materials with critical values that require monitoring at the workplace.

**8.2. Exposure controls**

### Protective and hygiene measures

Take the usual precautions when handling with chemicals. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing.

#### Eye/face protection

Safety goggles (EN 166).

#### Hand protection

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

Suitable materials also for extended, direct contact (recommended: protection index 6, corresponding to a permeation rate > 480 minutes according to EN 374): Nitrile rubber/nitrile latex - NBR (0,35 mm)

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

#### Skin protection

Long sleeved clothing (EN 368).

#### Respiratory protection

Breathing protection is not necessary in the case of correct usage under normal conditions. In case of insufficient ventilation, wear suitable respiratory equipment (Multi-purpose filter ABEK).

## SECTION 9: Physical and chemical properties

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

Physical state:	pasty
Colour:	according to product specification
Odour:	characteristic

#### Changes in the physical state

Melting point:	Not applicable.
Initial boiling point and boiling range:	Not determined.
Flash point:	Not applicable

#### Explosive properties

The product is not explosive.

Lower explosion limits:	Not determined
Upper explosion limits:	Not determined
Ignition temperature:	Not applicable
Decomposition temperature:	Not determined

#### Oxidizing properties

The product is not self-igniting

Density (at 20 °C):	1,43 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Completely miscible

#### Solubility in other solvents

Not determined

Viscosity / dynamic:	Not determined
Viscosity / kinematic:	Not determined

### 9.2. Other information

No data available.

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No decomposition if stored and applied as directed. Protect from heat and direct solar radiation.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

Protect from heat and direct solar radiation.

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### **10.5. Incompatible materials**

Not known.

### **10.6. Hazardous decomposition products**

No decomposition if stored and applied as directed.

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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Toxicokinetics, metabolism and distribution**

No toxicological data available.

#### **Acute toxicity**

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

#### **Irritation and corrosivity**

Based on available data, the classification criteria are not met.  
Repeated or prolonged exposure may cause irritation of eyes and skin.

#### **Sensitising effects**

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

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

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

#### **STOT-single exposure**

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

#### **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.

#### **Further information**

Health injuries are not known or expected under normal use.

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## **SECTION 12: Ecological information**

### **12.1. Toxicity**

No data available.

### **12.2. Persistence and degradability**

No data available.

### **12.3. Bioaccumulative potential**

No data available.

### **12.4. Mobility in soil**

No data available.

### **12.5. Results of PBT and vPvB assessment**

No data available.

### **12.6. Other adverse effects**

Low hazard to waters. Do not discharge into the drains/surface waters/ground water.

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## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Advice on disposal**

Disposal in accordance with local regulations. The hardened material can be disposed of together with the household rubbish or commercial waste. Unused material (liquid, pasty) must be disposed of as hazardous waste.

#### **Contaminated packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Contaminated packagings are to be treated like the product itself.

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## **SECTION 14: Transport information**

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

**14.1. UN number:**

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

**14.2. UN proper shipping name:**

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

**14.3. Transport hazard class(es):**

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

**14.4. Packing group:**

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

**14.5. Environmental hazards**

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

**14.6. Special precautions for user**

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

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

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

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**SECTION 15: Regulatory information**

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

**EU regulatory information**

**Additional information**

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

**National regulatory information**

**15.2. Chemical safety assessment**

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

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**SECTION 16: Other information**

**Changes**

Complete revision of all sections.

**Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

**Relevant H and EUH statements (number and full text)**

EUH208 Contains Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

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**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.

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

Rolf Kuhn GmbH

Revision date: 14.11.2016

Revision No: 1,1

**Kerafix® Firestop Putty**

11731-022

**ROLFKUHN**GMBH  
PASSIVER TECHNISCHER BRANDSCHUTZ

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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)