

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

### 1.1. Product identifier

ROKU® Strip

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

#### Use of the substance/mixture

Fire protection material

### 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:	joerg.six@rolfkuhnmbh.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

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

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

### 2.2. Label elements

#### Additional advice on labelling

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

### 2.3. Other hazards

Do not rub eyes - contains inorganic fillers, which irritate the eyes mechanically like other inert materials.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of inorganic compounds in a polymer matrix.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

The first-aid measures refer to the contact with dust arising during the processing of the product (e.g. sawing, drilling, grinding).

#### After inhalation

Do not breathe dust. In case of inhaling dust (possibly caused by abrasion) the affected person should be moved into fresh air. In case of unwellness seek medical advice.

#### After contact with skin

Remove contaminated soaked clothing immediately and dispose of safely. Wash off immediately with soap and plenty of water. Consult a doctor if skin irritation persists.

#### After contact with eyes

Do not rub eyes - contains inorganic fillers, which irritate the eyes mechanically like other inert materials. Remove contact lens. Rinse thoroughly with plenty of water, also under the eyelids. Summon a doctor immediately.

#### After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Summon a doctor immediately.

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

See also chapter: 4.1, 11. Possible symptoms: irritation of skin and the eyes.

#### **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**

Product itself does not burn. Fire-extinguishing activities according to surrounding.

##### **Unsuitable extinguishing media**

Not known.

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

None

#### **5.3. Advice for firefighters**

Protective equipment has to be chosen according to the ambient conditions.

##### **Additional information**

Product itself does not burn.

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### **SECTION 6: Accidental release measures**

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

Avoid the formation and deposition of dust. Do not breathe dust. Use breathing apparatus if exposed to dust.

#### **6.2. Environmental precautions**

Dispose of in closed containers. Do not discharge into the drains/surface waters/ground water.

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

Do not stir up dust. Pick up mechanically, avoiding dust, and provide disposal in suitable recipients. Must avoid the use of compressed air and sweeping.

#### **6.4. Reference to other sections**

Information for personal protective equipment look up chapter 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. Avoid dust formation.

##### **Advice on protection against fire and explosion**

No specific fire preventions necessary. Pay attention to general rules of internal fire prevention.

##### **Further information on handling**

Take the usual precautions when handling with chemicals. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feeding stuffs. Remove contaminated soaked clothing immediately, don't leave to dry.

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

##### **Requirements for storage rooms and vessels**

Protect against physical damage.

##### **Advice on storage compatibility**

Do not store together with food.

##### **Further information on storage conditions**

Protect from heat and direct solar radiation. Keep from freezing. To be kept tightly closed, in a cool and dry place.

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

Fire protection material

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

#### **8.1. Control parameters**

#### **8.2. Exposure controls**

##### **Appropriate engineering controls**

Technical and organisational measures must be applied preferentially (personal protection equipment must not be a permanent arrangement). Ensure adequate ventilation, especially in confined areas. Avoid the formation and deposition of dust.

### 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.

Remove contaminated soaked clothing immediately.

### Eye/face protection

Eye wash bottle with pure water (EN 15154).

Tightly fitting goggles (EN 166).

### Hand protection

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

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nature latex, 0,6 mm, 480 min., 60 min., i.e. protective glove made by www.kcl.de.

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

Wear closed/long working clothes.

### Respiratory protection

Breathing apparatus (particle filter P2) only if dust is formed.

## SECTION 9: Physical and chemical properties

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

Physical state: Solid matter

Colour: Black

Odour: faint

pH-Value: not applicable in delivery state.

### Changes in the physical state

Melting point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: Not applicable

Lower explosion limits: Not determined

Upper explosion limits: Not determined

Density (at 20 °C): approx. 1,20 g/cm<sup>3</sup>

Water solubility (at 20 °C): insoluble

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

Oxidizing properties: The product is not self-igniting

### 9.2. Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), Hydrocarbon fragments.

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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.

Release of dust may result from mechanical processing Dust particles, like other inert materials, are mechanically irritating the eyes. Repeated or prolonged exposure may cause irritation of eyes and skin.

**Sensitising effects**

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

No sensitizing effect known.

**STOT-single exposure**

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

**Severe effects after repeated or prolonged exposure**

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.

**Aspiration hazard**

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

**Further information**

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

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**SECTION 12: Ecological information**

**12.1. Toxicity**

No data available.

**12.2. Persistence and degradability**

Not readily degradable.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**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 substance.

**12.6. Other adverse effects**

Not known.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Advice on disposal**

Disposal in accordance with local regulations.

**Waste disposal number of waste from residues/unused products**

161106 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; waste linings and refractories; linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05

**Contaminated packaging**

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

**SECTION 14: Transport information**

**Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO); 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 73/78 and the IBC Code**

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

**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): < 1 %

**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**

**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

DOT = Department of Transportation

TDG = Transport of Dangerous Goods

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

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

**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)