

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rolf Kuhn GmbH

Revision date: 06.03.2019

**ROKU® Therm**

11731-019

**ROLFKUHN GMBH**  
PASSIVER TECHNISCHER BRANDSCHUTZ

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

### 1.1. Product identifier

ROKU® Therm

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

#### Use of the substance/mixture

Fire protection panels

### 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: Anwendungstechnik  
e-mail: anwendungstechnik@rolfkuhnmbh.com (Contact for technical information)  
Internet: www.kuhn-brandschutz.com

### 1.4. Emergency telephone number:

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

EUH210 Safety data sheet available on request.

#### Additional advice on labelling

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

### 2.3. Other hazards

Breathing dust and fibres may cause temporary irritation to mouth, nose and throat. Observe protective instructions (see Sections 7 and 8).

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mineral wool with the addition of inorganic fillers and organic binders (as starch), coated with emulsion paint, free of organic solvents, formaldehyde additives and asbestos.

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
10043-35-3	boric acid			<= 5 %
	233-139-2	005-007-00-2	01-2119486683-25	
	Repr. 1B; H360FD			

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures



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### General information

The first-aid measures refer to the contact with dust arising during the processing of the product (e.g. sawing, drilling, grinding). Remove contaminated clothing immediately and dispose of safely.

### 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

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

Direct risks for people and the environment are not to be expected.

### 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. 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.

## 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. No release of hazardous substances.

### 6.4. Reference to other sections

Information for personal protective equipment look up chapter 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Ensure adequate ventilation, especially in confined areas. Use approved industrial vacuum cleaner for removal. Avoid dust formation. Do not stir up dust.

#### Advice on protection against fire and explosion

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



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### 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.

#### Hints on joint storage

Do not store with acids. 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 panels

## 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). Treat subsequently with skin cream. After work dust rinse with cold water.

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

In case of dust formation wear micro dust mask. (FFP3)

## SECTION 9: Physical and chemical properties

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

Physical state:	Solid matter
Colour:	according to product specification
Odour:	Odourless

pH-Value (at 25 °C):	6,8 - 8,5
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#### Changes in the physical state

Melting point:	> 1000 °C
Initial boiling point and boiling range:	Not determined
Sublimation point:	Not determined



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Flash point:

Not applicable

Sustaining combustion:

Not sustaining combustion

#### Flammability

Solid:

Not determined

#### Explosive properties

The product is not explosive.

Lower explosion limits:

Not determined

Upper explosion limits:

Not determined

Ignition temperature:

Not applicable

#### Auto-ignition temperature

Solid:

Not applicable

Decomposition temperature:

Not determined

#### Oxidizing properties

The product is not self-igniting

Vapour pressure:

Not applicable

Bulk density (at 25 °C):

200 - 450 kg/m³

Water solubility:

Immiscible

(at 20 °C)

#### Solubility in other solvents

Not determined

Viscosity / dynamic:

Not determined

(at 20 °C)

Viscosity / kinematic:

Not determined

#### 9.2. Other information

\_\_\_ The product is hardly combustible. Construction material class B1 (DIN 4102-1 (A2-s1,d0, EN 13501-1)) \_\_\_

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Chemically stable.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

#### 10.4. Conditions to avoid

No data available

#### 10.5. Incompatible materials

No data available

#### 10.6. Hazardous decomposition products

\_\_\_ No hazardous decomposition products known. \_\_\_

### 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



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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.

Breathing dust and fibres may cause temporary irritation to mouth, nose and throat. Ingestion of dust and fibres may cause temporary mechanical irritation of the digestive system.

### Sensitising effects

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

No sensitizing effect known.

### Carcinogenic/mutagenic/toxic effects for reproduction

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

No carcinogenic toxic effects.

### 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

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

## SECTION 12: Ecological information

### 12.1. Toxicity

None.

### 12.2. Persistence and degradability

Biodegradable.

### 12.3. Bioaccumulative potential

Not applicable.

### 12.4. Mobility in soil

Not applicable.

### 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.

### Further information

Low hazard to waters. Do not release undiluted or in higher quantities into the groundwater, sewerage or waters.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Disposal in accordance with local regulations. Where possible recycling is preferred to disposal.

#### Contaminated packaging

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

## SECTION 14: Transport information

### Land transport (ADR/RID)

#### 14.1. UN number:

No dangerous good in sense of this transport regulation.

#### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

#### 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.



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### Inland waterways transport (ADN)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**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.

### Marine transport (IMDG)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**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.

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

- 14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**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

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):  
boric acid

Restrictions on use (REACH, annex XVII):

Entry 30: boric acid

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

#### Additional information

Note: This product is an "article" and is not an object that is required to issue Safety Data Sheets (SDS) by regulations concerning chemical substances. This SDS voluntarily offers helpful information for your safe handling and environmental care.

#### 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

Update 2019

#### 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)



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GHS: Globally Harmonized System of Classification, Labelling and Packaging of Chemicals

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

H360FD May damage fertility. May damage the unborn child.

EUH210 Safety data sheet available on request.

**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)

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

