

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rolf Kuhn GmbH

Revision date: 28.11.2017

**ROKU® Adhesive T-HV / T-MV / T-NV**

11731-004

**ROLFKUHNGBMH**  
PASSIVER TECHNISCHER BRANDSCHUTZ

Page 1 of 7

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

### 1.1. Product identifier

ROKU® Adhesive T-HV / T-MV / T-NV

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

#### Use of the substance/mixture

ROKU® Adhesive T-HV (highly viscous)

ROKU® Adhesive T-MV (medium viscosity)

ROKU® Adhesive T-NV (low viscosity)

### 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

+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

#### Additional advice on labelling

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

### 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

Adhesive

The product contains: Sodium silicate > 3,2 , CAS-No.: 1344-09-8, < 40 %

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Move to fresh air in case of accidental inhalation of vapours. Refer for medical treatment.

#### 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

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. Symptoms of poisoning may not occur for many hours, therefore keep under medical



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rolf Kuhn GmbH

Revision date: 28.11.2017

**ROKU® Adhesive T-HV / T-MV / T-NV**

11731-004

**ROLFKUHNGBMH**

PASSIVER TECHNISCHER BRANDSCHUTZ

Page 2 of 7

supervision for at least 48 hours. Possible symptoms: irritation of skin and the eyes.

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

No data available.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Fire-extinguishing activities according to surrounding.

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

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

In the event of fire the following can be released: Metal oxide fume, toxic gases/vapours.

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

Use breathing apparatus with independent air supply.

### **Additional information**

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**

Remove persons to safety. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing. High risk of slipping due to leakage/spillage of product.

### **6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water. Inform competent authority about release into the sewage, ground or into waters.

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

Take up mechanically and collect in suitable container for disposal.

### **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**

Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage. When using do not eat, drink or smoke. Information on label instructions.

#### **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**

Keep container tightly closed.

Use only in well-ventilated areas.

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

Do not store together with oxidizing agents. Do not store with acids or alkalies.

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

Protect from heat and direct solar radiation.

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

Adhesive

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

### **8.1. Control parameters**



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rolf Kuhn GmbH

Revision date: 28.11.2017

**ROKU® Adhesive T-HV / T-MV / T-NV**

11731-004

**ROLFKUHNGBMH**

PASSIVER TECHNISCHER BRANDSCHUTZ

Page 3 of 7

### 8.2. Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

#### Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

#### Eye/face protection

Eye wash bottle with pure water (EN 15154).

Tightly fitting goggles (EN 166).

#### Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Butyl latex, 0,7 mm, 480 min., 60 min., i.e. protective glove made by [www.kcl.de](http://www.kcl.de).

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

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

Light protective clothing

Long sleeved clothing (EN 368).

#### Respiratory protection

Not required under normal use.

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	according to product specification
Odour:	Characteristic

#### Test method

pH-Value (at 20 °C):	11,4 - 11,5
----------------------	-------------

#### Changes in the physical state

Melting point:	Not determined
Initial boiling point and boiling range:	Not determined
Sublimation point:	Not determined
Softening point:	Not determined
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

None

Vapour pressure:	Not determined
------------------	----------------



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rolf Kuhn GmbH

Revision date: 28.11.2017

### **ROKU® Adhesive T-HV / T-MV / T-NV**

11731-004

**ROLFKUHNGBMH**  
PASSIVER TECHNISCHER BRANDSCHUTZ

Page 4 of 7

Density:	Not determined
Water solubility: (at 20 °C)	Miscible
<b>Solubility in other solvents</b>	
Not determined	
Partition coefficient:	Not determined
Viscosity / dynamic: (at 20 °C)	see Technical Data Sheet
Viscosity / kinematic:	Not determined
Solvent separation test:	Not determined

#### **9.2. Other information**

Density (20°C):

ROKU® Adhesive T-HV (highly viscous) = 1,63 g/cm³

ROKU® Adhesive T-MV (medium viscosity) = 1,6 g/cm³

ROKU® Adhesive T-NV (low viscosity) = 1,56 g/cm³

The delivery specifications are contained in the corresponding product sheet.

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Reactions with metals, with evolution of hydrogen.

Exothermic reaction with strong acids.

Reactions with oxidizing agents.

### **10.2. Chemical stability**

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

Reactions with metals, with evolution of hydrogen.

Exothermic reaction with strong acids.

Reactions with oxidizing agents.

### **10.4. Conditions to avoid**

Protect from heat and direct solar radiation.

### **10.5. Incompatible materials**

Metals, strong oxidizing agents, Acids and bases.

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

No decomposition if stored and applied as directed.

## **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.

Possibility of strong irritations in the case of contact with eye-, skin or mucous membranes because of the high pH-value.

#### **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.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rolf Kuhn GmbH

Revision date: 28.11.2017

**ROKU® Adhesive T-HV / T-MV / T-NV**

11731-004

**ROLFKUHNGBMH**

PASSIVER TECHNISCHER BRANDSCHUTZ

Page 5 of 7

### 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

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

No data available.

### Further information

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

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

In accordance with regulations for special waste, must be taken to a special waste disposal.

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

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

#### Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

#### Contaminated packaging

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

Recommended cleaning agent: Water with detergents

## 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.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rolf Kuhn GmbH

Revision date: 28.11.2017

**ROKU® Adhesive T-HV / T-MV / T-NV**

11731-004

# ROLFKUHNGBMH

PASSIVER TECHNISCHER BRANDSCHUTZ

Page 6 of 7

### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

### 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.

### Other applicable information

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):

0 %

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

Update 2017; VO(EU) 2016/918, VO(EU) 2016/1179.

### 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;

EINECS: European Inventory of Existing Commercial Chemical Substances;

ELINCS: European List of Notified Chemical Substances;

CAS-Nr.: Chemical Abstracts Service;

LC50: Lethal concentration, 50%;

LD50: Lethal dose, 50%.



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Rolf Kuhn GmbH

Revision date: 28.11.2017

**ROKU® Adhesive T-HV / T-MV / T-NV**

11731-004

**ROLFKUHNGBMH**  
PASSIVER TECHNISCHER BRANDSCHUTZ

Page 7 of 7

**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)

---

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

