AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

ROKU ® Adhesive T-NV, -MV, -HV - Safety Data Sheet-en

澳迪斯防火科技（廊坊）有限公司

Aodisi Fire Technology (Langfang) Co., Ltd.

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以上为销售联系信息，不替代安全数据表中的应急联系电话。
原始技术内容及制造商、检测机构和证书签发信息见后续资料页。

Sales contact only; emergency contacts in safety data sheets remain applicable.
Original technical, manufacturer and certification details follow.

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@rolfkuhngmbh.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

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

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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_2), 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.

Hints on joint storage

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

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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.
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 (DIN EN ISO 6530)

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

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

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Density:	Not determined
Water solubility: (at 20 °C)	Miscible

Solubility in other solvents

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

Toxicocinetics, 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.

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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.

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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 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);
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%.

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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.
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.)

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