



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

### 1.1 Product identifier

- Trade name: HS-320
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance/the mixture:**Adhesion of wood and paper products
- 1.3 Details of the supplier of the safety data sheet
- • Manufacturer/Supplier:Remoku limited - Specialty Chemicals.
- Full address:
- **Phone number:** +44(0) 2039542556
- **Email:** info@remoku.net
- **Only Representative/other EU contact point:**Not available
- **Further information obtainable from:**Remoku limited - Specialty Chemicals.

### 1.4 Emergency telephone number:

UNITED KINGDOM

National Poisons Information Service

Tel: +44(0) 2039542556 (for healthcare professional)

+44(0) 2039542556 (in England or Wales)

info@remoku.net

- **1.5 Reference Number:** CP18-064735 - SZ, CANEC1825024802

## SECTION 2:Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

The product is not classified according to the CLP regulation.

- **Information concerning particular hazards for human and environment:** The product has no to be labelled due to the calculation procedure of Regulation(EC) No.1272/2008.

### 2.2 Label elements

- The classification is according to the latest edition of EU Regulation (EC) NO.1272/2008, and extended by company and literature data.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) NO.1272/2008** Void

• **Hazard pictograms** void

• **Signal word** void

• **Hazard statements** void

### 2.3 Other hazards:

- **Results of PBT and vPvB assessment**

• PBT:Not applicable

• vPvB:Not applicable

## SECTION 3:Composition/information on ingredients

### 3.2 Mixtures

#### Description:

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to section 16

#### composition:

CAS:7732-18-5	Water	65-70%
EINECS:231-791-2		
CAS:9003-20-7	Polyvinyl acetate ( PVAC)	20-25%
CAS:9002-89-5	Polyvinyl alcohol	3-7%

Remarks: According to Regulation (EC) NO.1272/2008, all ingredients listed in the above table are not classified

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## SECTION 4:First aid measures

### 4.1 Description of first aid measures

- **General description:**No special measures required.

• **After inhalation:**supply fresh air;consult doctor in case of complaints.

• **After skin contact:**Generally the product does not irritate the skin.

• **After eye contact:**Rinse opened eye for several minutes under running water.

• **After swallowing:**If symptoms persist consult doctor.

• **4.2 Most important symptoms and effects, both acute and delayed:**No further relevant information available.

• **4.3 Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

**SECTION 5:Firefighting measures**

- **5.1 Extinguishing media**
- Suitable extinguishing agents:Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** :No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment**:No special measures required.

**SECTION 6:Accidental release measures**

- **6.1 Personal precautions,protective equipment and emergency procedures**: Not required
- **6.2 Environmental precautions** :Do not allow to enter sewers/surface or ground water.
- **6.3 Methods and material for containment and cleaning up**:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**:  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section equipment. 13 for disposal information.

**SECTION 7:Handling and storage**

- **7.1 Precautions for safe handling**:  
No special measures required.  
For the general occupational hygienic measures refer to Section 8.
- **Information about fire -and explosion protection**: No special measures required.
- **7.2 Conditions for safe storage,including any incompatibilities**
- **Requirements to be met by storerooms and receptacles**:No special required.
- **Information about storage in one common storage facility**:Not required.
- **Further information about storage conditions**:None.
- **7.3 Specific end use(s)**:No further relevant information available

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

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace**:  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs**:Not available
- **PNECs**:Not available
- **Additional information**: The lists valid during the making were used as basis.

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- **8.2 Exposure controls**
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure
- **Appropriate engineering controls**:See Section 7 for information about design of technical facilities.
- **Respiratory protection**:Not required.
- **Hand protection**:



Protection of hands

The glove material has to be impermeable and resistant to the product/the substance/the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**:  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection**:Goggles recommended during refilling
- **Environmental exposure controls**: control measures must be made in accordance with community environmental protection legislation.

**SECTION 9:Physical and chemical properties**



<ul style="list-style-type: none"> <li>9.1 Information on basic physical and chemical properties</li> </ul>	
<ul style="list-style-type: none"> <li>Appearance:           <ul style="list-style-type: none"> <li>Form: Paste</li> <li>Colour: Milky white</li> </ul> </li> <li>Odour: Somewhat acid flavour</li> <li>Odour threshold: Not available</li> </ul>	
pH-value	3-5
<ul style="list-style-type: none"> <li>Change in condition           <ul style="list-style-type: none"> <li>Melting point/Freezing point: Not available</li> <li>Initial boiling point and boiling range: 100</li> </ul> </li> </ul>	
Flash point:	Not available
Flammability(solid, gas):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Self-igniting:	Not available
Explosive properties:	Not available
<ul style="list-style-type: none"> <li>Explosion limits:           <ul style="list-style-type: none"> <li>Lower: Not available</li> <li>Upper: Not available</li> </ul> </li> <li>Oxidising properties: Not available</li> </ul>	
Vapour pressure:	Not available
<ul style="list-style-type: none"> <li>Density: 1.05</li> <li>Relative density: Not available</li> <li>Evaporation rate: Not available</li> </ul>	
<ul style="list-style-type: none"> <li>Solubility in/Miscibility with water: Dissolved in water</li> </ul>	

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<ul style="list-style-type: none"> <li>Partition coefficient:n-octanol/water: Not available</li> </ul>	
<ul style="list-style-type: none"> <li>Viscosity: 12000-18000CPS</li> <li>Dynamic: Not available</li> <li>Kinematic: Not available</li> </ul>	
9.2 Other information	No further relevant information available

## SECTION 10:Stability and reactivity

- 10.1 Reactivity:Data not available
- 10.2 Chemical stability: Data not available
- 10.3 Possibility of hazardous reactions:No dangerous reactions known
- 10.4 Conditions to avoid: Not futher relevant information available.
- 10.5 Incompatible materials: Not futher relevant information available.
- 10.6 Hazardous decomposition products: No dangerous reactions known

## SECTION 11:Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
9002-89-5 Polyvinyl alcohol		
Oral	LD50	14,270 mg/kg (mouse) 23,854 mg/kg (rat)

- Skin corrosion/irritation: Based on available data, the classification criteria are not met
- Serious eye damage/irritation: Based on available data, the classification criteria are not met
- Respiratory or skin sensitization: Based on available data, the classification criteria are not met
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met
- Reproductive toxicity 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.



## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability:** No further relevant information available.
- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 Mobility in soil:** No further relevant information available.
- **12.5 Results of PBT and IPB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **12.6 Other adverse effects:** No further relevant information available.

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- **12.7 Additional ecological information:**
- **General notes:**  
Water hazard class 1(German Regulation)(Self-assessment):slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste
- **uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations

## SECTION 14: Transport information

• <b>14.1 Un-number</b>	
• <b>ADR/RID/ADN, IMDG, IATA</b>	Not applicable
• <b>14.2 UN proper shipping name</b>	
• <b>ADR/RID/ADN, IMDG, IATA</b>	Not applicable
• <b>14.3 Transport hazard class(es)</b>	
• <b>ADR/RID/ADN, IMDG, IATA</b>	
• <b>Class</b>	Not applicable
• <b>Label</b>	-
• <b>14.4 Packing group</b>	
• <b>ADR/RID/ADN, IMDG, IATA</b>	Not applicable
• <b>14.5 Environmental hazards:</b>	
• <b>Marine pollutant:</b>	No
• <b>14.6 Special precautions for user</b>	Not applicable
• <b>Marine pollutant:</b>	-
• <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable
• <b>14.8 Transport/Additional information:</b>	Nor dangerous according to the above specifications.
• <b>UN"mode Regulation"</b>	Not applicable

## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture**

### • **MAK(German Maximum Workplace Concentration)**

None of the ingredients is listed

- **Directive 2012/18/EU**
- **Named dangerous substances-ANNEX I** None of the ingredients is listed.
- **Seveso category** Not applicable
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** Not applicable
- **National regulations:**
- **Waterhazard class: Water hazard class 1 (self-assessment):** slightly hazardous for water.

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• Other regulations, limitations and prohibitive regulations

• SVHC Candidate List of REACH Regulation Annex XIV Authorisation(27/6/2018)

None of the ingredients is listed

• REACH Regulation Annex A VII Restriction(10/10/2018)  
See Section 16 for information about restriction of use.

None of the ingredients is listed

• REACH Regulation Annex XIV Authorisation List(13/6/2017)

None of the ingredients is listed

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**SECTION I6: Other information**

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The contents and format of this SDS are in accordance with Regulation(EC)No 1907/2006, 1272/2008 and Regulation(EU) No 2015/830.

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• **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent bioaccumulative toxic substances

vPvB: very Persistent and very Bioaccumulative