

**SAFETY DATA SHEET**  
**according to 830/2015/EC, 28.05.2015**



Date 2011-02-23  
Update: 2017-01-14

**Bookbinding glue**

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

|                |                         |
|----------------|-------------------------|
| Trade name     | <b>Bookbinding glue</b> |
| Article number | R-945                   |

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

|                       |  |
|-----------------------|--|
| identified uses:      | An adhesive designed for bonding cardboard, paper, fabrics, wood and so on. Characterized by very high adhesion and very short time of curing. After drying gives an invisible film. |
| uses advised against: | -  |

**1.3. Details of the supplier of the safety data sheet**

|               |   |
|---------------|---|
| Manufacturer: | NALMAT-Trzebinia<br>Marian Krzyworeka<br>ul. Kościuszki 88<br>32-540 Trzebinia<br>tel. +48 32 612 10 10<br>fax. +48 32 612 10 66<br><a href="http://www.technicqll.pl">www.technicqll.pl</a> <a href="mailto:office@technicqll.pl">office@technicqll.pl</a><br><a href="mailto:jakosc@technicqll.pl">jakosc@technicqll.pl</a> |
|---------------|---|

**1.4. Emergency telephone number:**

+ 48 (032) 711 53 27 during normal office hours - Monday - Friday 6.00am - 2.00pm  
112

**2. Hazards identification**

**2.1. Classification of the substance or mixture**

Mixture is not classified as dangerous.

|                                |   |
|--------------------------------|---|
| Human health hazards:          | - |
| Environmental hazards:         | - |
| Physical and chemical hazards: | - |

**2.2. Label elements -**

**2.3. Other hazards**

PBT – lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive.  
vPvB - lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive.

**3. Composition/information on ingredients**

**3.1. Substance: -**

**3.2. Mixtures**

Description: a water dispersion of vinyl acetate-alkyl acrylates copolymer.

Mixture is not classified as dangerous.

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**4. First aid measures**

**4.1 Description of first aid measures**

|                     |  |
|---------------------|--|
| After eye contact:  | Immediately flush eyes with plenty of water for at least over a dozen minutes. If irritation persists, contact a doctor. |
| After skin contact: | Rinse skin with plenty of water. Seek medical advice if irritating develops.   |
| After inhalation:   | Under normal conditions does not form hazard.  |
| After swallowing:   | Rinse thoroughly mouth with water. Consult a physician and show this Material Safety Data Sheet.                         |

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

-

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

The decision of the method of further procedure should be made by a doctor after exact assessment of victim's conditions.

**5. Firefighting measures**

**5.1. Extinguishing media**

The product is non-combustible. Only mass of the polymer obtained after evaporation of water may catch a fire.  
All available media: atomized water, CO<sub>2</sub>, extinguishing powders, foam.

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

No data.

**5.3. Advice for firefighters**

Basic principles in case of fire in neighbourhood  
immediately call the Fire Brigade,  
inform the neighbourhood about the fire,  
ensure a free evacuation route,  
remove from the danger zone all persons not taking part in liquidation of the fire,  
containers exposed to the fire or high temperatures cool with water from a safe distance,  
Special protective equipment:  
Anti-gas clothes in electrostatic version- protective gloves, protective glasses tightly adhering to face, as well as self-contained breathing apparatus.

**6. Accidental release measures**

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

For persons not belonging to the staff removing the results of accident: Limit access of outsiders to the accident area until cleaning operation is finished. Avoid pollution of eyes and skin. Ensure good ventilation.  
For people removing the failure effects: take care that the failure and its effects are to be removed only by trained staff.

**6.2. Environmental precautions:**

Do not allow the product to reach sewage system and ground water. Protect sink basins.

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

In case of spillage scrape or cover it with sand and take up mechanically and collect in suitable containers. Store in accordance with state and local regulation. Rinse contaminated surface with water.

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### 6.4. Reference to other sections

Information concerning safe holding – section / chapter 7.  
Information concerning personal protective equipment - section / chapter 8.  
Information concerning utilisation - section / chapter 13.

## 7. Handling and storage

### 7.1. Precautions for safe handling:

#### Handling and storage:

Follow the industrial safety and hygiene rules as well as working instructions in a work place. Use away from fire sources and possible ignition in well ventilated places. During work do not eat, drink and smoke. Use protection of eyes, hands and inhalation system.

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

Store in dry and well ventilated rooms in closed original containers at temperatures 5°C - +25°C. Keep away from ignition sources. Do not smoke near warehouse. Protect from frost. In household conditions the product should be stored in original tightly closed containers in cool and well ventilated places out of reach of children.

### 7.3. Specific end use(s)

-

## 8. Exposure controls/personal protection

The personal protection media should fulfil the requirements of instructions of the Cabinet of 21.12.2005 (Dz. U. No. 259, pos. 2173) Directive 89/686/WE (together with later changes). The employer is obliged to ensure measures of personal protection suitable for activities that are made and their cleaning and maintenance.

### 8.1. Control parameters

Ingredients with limit values that require monitoring at the work place.

| Exposure control | NDS [mg/m <sup>3</sup> ] | NDSCH [mg/m <sup>3</sup> ] |
|------------------|--------------------------|----------------------------|
| -                | -                        | -                          |

### 8.2. Exposure controls

#### Breathing equipment:

Work in well ventilated rooms. Work in well ventilated rooms. In emergency situations a half mask or a mask connected with absorber of organic vapours.

#### Protection of hands:

Protective gloves.

#### Eye protection:

Protective glasses.

#### Protection of body:

Working clothes.

## 9. Physical and chemical properties

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

|                 |                  |
|-----------------|------------------|
| Psychical state | Viscosity liquid |
| Colour          | White            |
| Odour           | Characteristic   |

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|   |              |
|---|--------------|
| Dry mass                                  | 50%          |
| pH  | 3,5 - 5,5    |
| Content of coagulant                      | max. 0,2%    |
| Average glassy temperature T <sub>g</sub> | +14°C        |
| Viscosity at 15°C (Rheotest)              | min 700 mPas |
| Minimal temperature forming a film (MTTF) | +6°C         |
| The mean particle size, D                 | 450 nm       |

### 9.2. Other information

Lack of additional tests.

## 10. Stability and reactivity

### 10.1. Reactivity

At 100°C water contained in the adhesive evaporates and the polymer is flammable after evaporation of water.

### 10.2. Chemical stability

The product is stable if it is correctly stored and handled.

### 10.3. Possibility of hazardous reactions

No data.

### 10.4. Conditions to avoid

Do not store at temperatures below 10°C. At low temperatures the product undergoes irreversible reaction of polymer coagulation.

### 10.5. Incompatible materials

No data.

### 10.6. Hazardous decomposition products

No data.

## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity: No data.

Local effect: May cause eye and skin irritation in persons who are particularly allergic.

## 12. Ecological information

### 12.1. Toxicity

Do not allow the mixture to reach sewage system.

### 12.2. Persistence and degradability

The product does not spread spontaneously. The vapours are harmless, therefore there is no air pollution. Air pollution may only occur during a fire of the solidified polymer. The dispersion may be easily diluted with water. Penetrates into ground water and soil if spilled.

### 12.3. Bioaccumulative potential

Do not possess potential for bioaccumulation.

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**12.4. Mobility in soil**

No data.

**12.5. Results of PBT and vPvB assessment**

PBT Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive.

vPvB Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive.

**12.6. Other adverse effects**

No data.

**13. Disposal considerations**

**13.1. Waste treatment methods**

Cover arisen waste an absorptive material e.g. sand, diatomaceous earth, sawdust – take up and collect in closed containers and undergo neutralization in accordance with local and state regulations. Remove polluted packages in accordance with obligatory regulations

Do not allow the product to reach sink basins, water basins and sewage system.

Small quantities at the consumer's – treat as communal waste from a household. Big quantities of the waste product should not be disposed together with communal waste. Liquidate in waste treatment/disposal plants, in accordance with obligatory regulations.

Procedure with waste packages at the consumer's:

Treat the package after the product as communal waste.

Procedure with waste packaging containing the product residues (bigger quantities)

Transfer to utilization in accordance with obligatory regulations.

Waste code

**08 04 10** Waste adhesives and sealants not containing dangerous substances other than mentioned in 08 04 09

**15 01 02** Plastic packaging

**EU Legal Instruments**

Directives of European Parliament and Council 2006/12/EC and 94/62/EC ,Directive of Council 91/689/EEC

**14. Transport information**

**14.1. UN-Number:**

The product does not create any threat in transport. It is not subject to RID/ADR regulations. It can be transported in any means of transport in hermetically closed packages.

**Land transport ADR/RID and GGVSEB**  
(international/state)

Class ADR/RID- GGVSEB

**Sea transport IMDG/VSee:**

Class IMDG/VSee

**Air transport ICAO – TI I IATA – DGR:**

Class ICAO/IATA

**14.2. Proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Not applicable.

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**14.4. Packing group**

Not applicable.

**14.5. Hazards to environment**

Not applicable.

**14.6. Special precautions for user**

While handling the cargo, apply personal protection measures according to section 8.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

**15. Regulatory information**

**15.1. Legislation related to safety, health and environment protection specific for substance or mixture:**

The regulation of European Parliament and Council (EC) no. 1907/2006 of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH), for establishing the European Chemical Agency, changing the directive 1999/45/EC and cancelling the regulation of

EEC no.793/93 and the regulation of Committee(EC) no.1488/94, as well as the directive of council 76/769/EEC and the directives of Committee 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC,

The regulation of European Parliament and Council (EC) no.1272/2008 of 16 December 2008 concerning the classification, labelling and packing the substances and mixtures, changing and cancelling the directives 67/548/EEC and 1999/45/EC and changing the regulation (EC) no.1907/2006

The regulation of Committee (EC) no.790/2009 of 10 August 2009 adopting to the scientific and technological progress the regulation of European Parliament and Council (EC) no 1272/2008 of 16 December 2008 concerning the classification, labelling and packing the substances and mixtures

The regulation 453/2010/EU Council of 10.05.2010 changing the regulation no. 1907/2006/EU of European Parliament and Council concerning the registration, estimation, granting permissions and suitable limits in the range of chemicals (REACH)

The directive of European Parliament and Council no.2006/12/EC of 5 April 2006 concerning waste.

The directive of Council no. 91/689/EEC of 12 December 1991 concerning dangerous waste.

The directive of European Parliament and Council no 94/62/EU. of 20 December 1994 concerning packaging and packaging waste.

**15.2. Estimation of chemical safety:**

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**16. Other information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**MSDS developed by NALMAT Trzebinia**