

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



Date: 2011-04-20  
Update: 2017-01-12

**UNIVERSAL HOUSEHOLD ADHESIVE**

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

**1.1. Product identifier**

Trade name **UNIVERSAL HOUSEHOLD ADHESIVE**  
Article number R-464

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

identified uses: An adhesive designed for bonding for all materials with gypsum, foamed polystyrene, concrete, lime cement substrate. Irreplaceable in repair – finishing works.  
uses advised against: -

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

Manufacturer: NALMAT-Trzebinia  
Marian Krzyworzeka  
ul. Kościuszki 88  
32-540 Trzebinia  
tel. +48 32 612 10 10  
fax. +48 32 612 10 66  
[www.technicqll.pl](http://www.technicqll.pl) [office@technicqll.pl](mailto:office@technicqll.pl)  
[jakosc@technicqll.pl](mailto:jakosc@technicqll.pl)

**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**

Human health hazards: -  
Environmental hazards: -  
Physical and chemical hazards: Highly flammable liquid and vapour.

**2.2. Label elements**



Warning symbol:

**DANGER**

H225 – Highly flammable liquid and vapour.

P102 – Keep out of reach of children.

P210 – Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378 – In case of fire: Use appropriate measures for extinction. Do not use fire foam because foam exhibits a lack of stability in contact with liquids polarized, such as ethanol.

P403+P235- Store in a well-ventilated place. Keep cool.

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P501 - Dispose of contents/container to a mine waste dump

**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:** solution of vinyl acetate in ethanol with safe admixtures.

| Description | CAS     | EC        | REACH No                      | Content % | Classification   |
|-------------|---------|-----------|-------------------------------|-----------|------------------|
| ethanol     | 64-17-5 | 200-578-6 | 01-<br>2119457610-<br>43-XXXX | 50-55     | Flam.Liq.2, H225 |

**4. First aid measures**

**4.1 Description of first aid measures**

After eye contact: Rinse eyes with plenty of cool water for at list 15 min. If irritation persist – seek medical advice.  
After skin contact: Before washing with water and soap, remove the adhesive with a dry cloth or a paper towel. Seek medical advice if irritating develops.  
After inhalation: Remove victim to fresh air. In case of difficulty in breathing, seek medical advice. In case of unconsciousness the victim should be transported in side position.  
After swallowing: Rinse mouth thoroughly with water. Seek medical advice showing information about the product.

**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**

Suitable extinguishing media: CO<sub>2</sub>, foam and powder extinguishers, foam resistant to alcohols, water jet – atomized.

Unsuitable extinguishing media: high volume water jet.

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

Dangerous decomposition products: CO, CO<sub>2</sub>, soot.

**5.3. Advice for firefighters**

Handling in case of a fire: Inform the neighbourhood about a fire. Remove all persons from an exposure area not taking part in liquidation of the fire. Inform the fire brigade and police. Containers exposed to action of a fire or high temperatures should be cooled with water from safe distance.  
Special protective equipment: protective clothes and self-contained breathing apparatus.

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**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.

Personal protection: avoid direct contact with the mixture. Use protective clothes, gloves, shoes.

**6.2. Environmental precautions:**

Do not allow the product to reach sewage system, ground water.

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

In case of spillage of the adhesive, wipe or scrape or cover it with sand and take up mechanically and collect in special containers.

Store in accordance with local and state regulations

**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:**

Work in accordance with the principle of occupational health and safety, fire safety and working instructions in a work place. During use of the mixture do not smoke. Avoid breathing the vapours. Wear suitable working clothes. Do not use sparking devices. Take precautionary measures - against static discharges. Avoid accidental consumption. Do not spill. Wash thoroughly hands after finishing work. Ensure a good ventilation in a work place.

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

Use in dry and well ventilated rooms at temperatures: 0°C - 25°C. Do not store near ignition sources.

**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 wit limit values that require monitoring at the work place.

| Exposure control | NDS [mg/m <sup>3</sup> ] | NDSCH [mg/m <sup>3</sup> ] |
|------------------|--------------------------|----------------------------|
| ethanol          | 1900                     | -                          |

**8.2. Exposure controls**

**Breathing equipment:**

Work in a well ventilations rooms.

**Protection of hands:**

Protective gloves.

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**Eye protection:**  
Protective glasses.

**Protection of body:**  
Working clothes.

**9. Physical and chemical properties**

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

|  |                         |
|--|-------------------------|
| Physical state                           | Viscous liquid          |
| Colour                                   | colourless              |
| Odour                                    | aromatic                |
| Odour threshold                          | -                       |
| pH value                                 | -                       |
| Melting/freezing point                   | -                       |
| Boiling point                            | 78,3°C                  |
| Ignition point                           | 12°C                    |
| Evaporation rate                         | -                       |
| Self-ignition                            | 425°C                   |
| Lower explosion limit                    | -                       |
| Upper explosion limit                    | -                       |
| Vapour pressure at 20°C                  | 60 hPa                  |
| Vapour density                           | -                       |
| Density at 20°C                          | 1,053 g/cm <sup>3</sup> |
| Solubility in water                      | insoluble               |
| distribution coefficient n-octanol/water | -                       |
| Decomposition point                      | -                       |
| Explosion properties                     | -                       |
| Oxidizing properties                     | -                       |
| Viscosity (by Brookfield) w 23°C         | 10 000 - 20 000 m Pa s  |

**9.2. Other information**

Lack of additional tests.

**10. Stability and reactivity**

**10.1. Reactivity**

No data.

**10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

Reacts with strong acids, nitric acid, (silver, potassium, uranyl) perchlorate, uranium hexafluoride, chromium trioxide, hydrogen peroxide, potassium dioxide, sodium peroxide, potassium, acetyl chloride.

**10.4. Conditions to avoid**

Keep away from ignition sources, heat and direct action of sun rays.

**10.5. Incompatible materials**

No data.

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**10.6. Hazardous decomposition products**

Toxic vapours and fumes.

**11. Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity:

The ethanol vapours contained in the product in very big concentrations induce headache and dizziness, psychomotor agitation, impaired coordination.

May cause pain and conjunctiva redness in case of contact with eyes.

Consumption of ethanol in big quantities may cause reduced level of consciousness and unconsciousness, respiratory disorders, cardiac tachycardia, decrease or increase in blood pressure, cardiac arrhythmia, ventricular fibrillation, cardiac arrest. Lethal dose amounts to about 5÷8 g/kg of body mass (about 350÷500 ml ethanol)

Long-term toxicity:

Permanent exposure to ethanol vapours may cause damage of liver and central nervous system. Ethanol may influence upper inhalation system and central nervous system causing headache, fatigue, lack of concentration.

Concentration and lethal doses:

Ethanol

|                       |                                |
|-----------------------|--------------------------------|
| LD50 rat (orally)     | 7 060 mg/kg                    |
| LD50 rat (inhalation) | 38 400 mg/m <sup>3</sup> (10h) |
| LD50 rabbit (skin)    | >20 000 mg/kg                  |

**12. Ecological information**

**12.1. Toxicity**

The product has not been classified as dangerous for the environment.

Avoid penetration the product into ground, ground water and sewage system.

Toxic concentration for water plant and animal organisms.

Data for ethanol

|                               |                    |                         |                       |           |
|-------------------------------|--------------------|-------------------------|-----------------------|-----------|
| Acute toxicity                | fish:              | Salmo gairdneri         | LC <sub>50</sub> /96h | 1300 mg/l |
| Limit of toxic concentration: | shellfish:         | Daphnia magna           | LC <sub>50</sub> /96h | 7800 mg/l |
|                               | bacteria:          | Pseudomonas putida      | LC <sub>50</sub> /96h | 6500 mg/l |
|                               | algae:             | Scenedesmus quadricauda | LC <sub>50</sub> /96h | 5000 mg/l |
|                               |                    | Microcystis aeruginosa  | LC <sub>50</sub> /96h | 1450 mg/l |
| Lethal concentration:         | fish:              | 9000 mg/l (24h)         |                       |           |
|                               | Gobio gobio:       | 7000-9000 mg/l          |                       |           |
|                               | Carassius auratus: | 0,25 ml/l (6h-11h)      |                       |           |

**12.2. Persistence and degradability**

The inhibitory concentration during anaerobic decomposition of methane fermentation sludge is: for ethanol 1500 mg/dm<sup>3</sup>

**12.3. Bioaccumulative potential**

Do not possess potential for bioaccumulation.

**12.4. Mobility in soil**

Easily absorbed in soil.

**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. |

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**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.

Waste code:

**08 04 09** Waste adhesives and sealants containing organic solvents or other dangerous substances.

**15 01 10** Packaging containing residues of dangerous substations or contaminated with them.

**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: 1133**

|  |   |
|--|---|
| Land transport ADR/RID and GGVSEB<br>(international/state) | 3 |
| Sea transport IMDG/VSee:                                   | 3 |
| Air transport ICAO – TII IATA – DGR:                       | 3 |

**14.2. Proper shipping name**

INFLAMABLE LIQUID MATERIAL, I.N.O. (contains ethanol)

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

Class: 3

**14.4. Packing group**

II

**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**

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**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:**

-

**16. Other information**

Explanation of symbols in the 3 point of Safety Data Sheet:

Flam. Liq. 2 – Inflammable liquid substance category. 2

No. in Register: Reg/1872/2002

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**