

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



Revision: 2012-03-28
Update: 2017-01-24

CONSTRUCTION ADHESIVE

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

1.1. Product identifier

Trade name	CONSTRUCTION ADHESIVE
Article number	R-167 – 20 ml R567 – 300 ml

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

identified uses: Bonds wood construction to concrete, stone, metals, multilayer wood construction to plastic, metals to glass, PU, polystyrene. Models and woodworking joints can be bonded with construction adhesive.

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 office@technicqll.pl
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: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Environmental hazards: -

Physical and chemical hazards: -

2.2. Label elements

Contains: isocyanides (diisocyanate diphenylomethyl). Familiarize yourself with the instruction delivered by the producer. Use of this product may induce allergic reaction in allergic persons. The product ought not to be used when ventilation is weak unless a protective mask with a suitable gas filter is used (e. g. Type A1 in accordance with the norm EN 14387).

Warning symbol:



DANGER

H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H319 – Causes serious eye irritation

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H332 – Harmful if inhaled
H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 – May cause respiratory irritation
H351 – Suspected of causing cancer
H373 – May cause damage to organs through prolonged or repeated exposure

P102 – Keep out of reach of children
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P302 + P352 – IF ON SKIN: Wash with soap and water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P501 – Dispose of contents/container to hazardous or special waste collection point.

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	CAS	EC	REACH No	Content %	Classification
4,4'-methylenediphenyl diisocyanate	101-68-8	202-966-0	01- 2119457014- 47-0000	30-60 %	Resp. Sens. 1, H334; Carc. 2 H351 STOT RE2, H373; Acute Tox. 4, H332 STOT SE3, H335, Skin Irrit.2, H315 Eye Irrit 2, H319, Skin Sens. 1, H317

4. First aid measures

4.1 Description of first aid measures

After eye contact: Rinse immediately with plenty of water at least 15 minutes. Lift eyelids and rinse well underneath them. If irritation keeps, contact a physician.

After skin contact: Remove the adhesive with a dry cloth before washing with water and detergent. If irritation keeps, contact a physician.

After inhalation: Remove an affected person from a hazard place. In case of unconsciousness, place patient in side position for transport. Fresh air and rest. If symptoms persist seek medical attention.

After swallowing: Rinse mouth with water several times and contact a physician showing this safety data sheet.

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

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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.

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5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: CO₂, foam, powder.

Unsuitable extinguishing measures: strong water jet.

5.2. Special hazards arising from the substance or mixture

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5.3. Advice for firefighters

Protective equipment: Protective clothes and 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 person liquidating results of accident: Make sure that damage repair and its effects are carried out only by a well trained staff.

6.2. Environmental precautions:

Do not allow the product to reach sewage system, ground water and surface water. Inform a suitable life saving service.

6.3. Methods and material for containment and cleaning up:

Cover small quantities of the spilled product with incombustible, absorptive material e.g. sand, diatomite, take up and collect in a closed and suitable labelled container. Warning: Absorbents soaked with the preparation may also cause fire hazard. In case of a big leakage – places of accumulation of the product should be embanked.

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:

Work in accordance with the rules of industrial safety. Work in well ventilation rooms. Avoid contacts of the product with skin and eyes . Don't swallow . Packaging which are not used should be tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Store in closed containers at temperatures: 5°C - 25°C away, from direct action of sun rays and other sources of heat.

7.3. Specific end use(s)

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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.

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8.1. Control parameters

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8.2. Exposure controls

Observe the general rules of hygiene and safety. Ensure good ventilation in a work place. During work, do not eat, drink and smoke tobacco. Wash hands before breaks and at the end of work. Avoid contacts with eyes.

Breathing equipment:

Avoid breathing of vapours. In case of short contact with the mixture – ensure a filtering device for breathing. In case of long lasting and intensive contacts - wear self-contained breathing apparatus.

Protection of hands and body:

Gloves must be made of material which has to be impermeable and resistant to the action of the preparation, e. g. from rubber. The material must also be checked prior to its application. It is recommended that the gloves should be changed regularly and also when they have any symptoms of their wear, damage or changes appearance (colour, elasticity, form and so on.)

Eye protection:

Protective glasses tightly closed.

Protection of body:

Working clothes.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Thick liquid
Colour	Colourless/milky
Odour threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Evaporation rate	Not determined
Specific gravity	Not determined
Boiling point	Not determined
Self-ignition temperature	Product is not self-igniting
Lower explosion limit	0,4 Vol %
Upper explosion limit	Not determined
Vapour pressure	Not determined
Relative density	Not determined
Density at 20 C	1,12 g/cm ³
odour	characteristic
Solubility in water	Not or not miscible enough
Distribution ratio: n-octanol/water	Not determined
Decomposition temperature	Not determined
Explosive properties	Product is not explosive
Viscosity (40°C)	Not determined

9.2. Other information

Lack of additional tests.

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10. Stability and reactivity

10.1. Reactivity

The product wasn't classified as dangerous for environment.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Reactions with oxidising agents
Reactions with strong acids
Reactions with alcohols
Reactions with amines

10.4. Conditions to avoid

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10.5. Incompatible materials

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10.6. Hazardous decomposition products

CO, CO₂, NO_x

11. Toxicological information

11.1. Information on toxicological effects

on the skin:	irritates skin
on the eye:	acts irritating
after swallowing:	acts harmfully by inhalation system
sensitization:	May cause allergy as a results of exposure by inhalation system in contact with skin.

Oral acute – LD50 (mg/kg) : 2200 (mouse)

12. Ecological information

12.1. Toxicity

The product wasn't classified as dangerous for environment.

12.2. Persistence and degradability

No data.

12.3. Bioaccumulative potential

No data.

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.

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12.6. Other adverse effects

No data.

13. Disposal considerations

13.1. Waste treatment methods

Do not allow the product to reach sewage system. Store in original packages. Utilize in accordance with the correct regulations.

Waste code:

08 04 09 Waste adhesives and sealants contain no organic solvents or other dangerous substances.
15 01 10 Packaging containing residues of dangerous substances 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:

The product is not regarded as dangerous. 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/See:

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Air transport ICAO – TI IATA – DGR:

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14.2. Proper shipping name

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14.3. Transport hazard class(es)

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14.4. Packing group

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14.5. Hazards to environment

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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:

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16. Other information

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

Resp. Sens. 1 – Allergenic action to inhalation system –Cat. 3

Carc. 2 – Carcirogenic – Cat.. 2

STOT RE2 – to target organs – single exposure – Cat. 2

Acute Tox. 4 – Acute toxicity-Cat.. 4

STOT SE 3 – to target organs – single exposure – Cat. 3

Skin Irrit.2 – Irritating action to skin- Cat.. 2

Eye Irrit 2 – Irritating to eye – Cat. 2

Skin Sens. 1 – Allergenic action to skin -Cat. 1

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