

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



Revision: 2012-02-06  
Update: 2017-01-12

**RAPID EPOXY ADHESIVE**

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

**1.1. Product identifier**

Trade name   RAPID EPOXY ADHESIVE – COMPONENT A  
Article number                                     E-362

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

identified uses                                    A fast curing two component adhesive designed for bonding all materials in household, industry and motorisation.  
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:                         Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation  
Environmental hazards:                         Toxic to aquatic life with long lasting effects  
Physical and chemical hazards:               -

**2.2. Label elements**

EUH205- Contains epoxy constituents. May produce an allergic reaction.  
EUH208 – Contains epoxy resin ( average molecular weight <700): No. EC: 500-033-5. May produce an allergic reaction.



**WARNING**

H315 – Causes skin irritation  
H317 – May cause an allergic skin reaction  
H319 – Causes serious eye irritation  
H411 – Toxic to aquatic life with long lasting effects

P102 – Keep out of reach of children

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P280- Wear protective gloves/protective clothing/eye protection/face protection  
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  
P273 – Avoid release to the environment  
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**

Description	CAS	EC	REACH No	Content %	Classification
epoxy resin ( average molecular weight <700)	25068-38-6	500-033-5	01-2119456619-26-0013	80-99	Eye Irrit.2, H319 Skin Irrit.2, H315 Skin Sens.1, H317 Aquatic Chronic 2 H411

**4. First aid measures**

**4.1 Description of first aid measures**

After eye contact	In case of contact, flush eyes immediately with plenty of water and seek medical attention.
After skin contact	Remove completely the glue with a dry cloth or a paper towel before washing with detergent and water. In case of skin irritation seeks medical attention.
After inhalation	Fresh air and rest if symptoms persist seek medical attention.
After swallowing	Seek medical attention.

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

Not available

**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**

All available media: powder, foam, water fog, CO<sub>2</sub>; (use highly sprayed water).

Unsuitable extinguishing media: High volume water jet.

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

CO<sub>2</sub>, CO, nitrogen oxides and soot.

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**5.3. Advice for firefighters**

Wear protective equipment. Wear self – contained breathing apparatus.

**6. Accidental release measures**

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

See point 8.

**6.2. Environmental precautions:**

Avoid the product will come into soil, ground water and sewage system.

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

In case of spilling wipe scrape or soak up in inert material (sand) and take up mechanically and collect in suitable containers. Disposal in accordance with state and local regulations.

**6.4. Reference to other sections**

Information concerning safe handling – 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:**

Follow the industrial safety and hygiene rules. Ensure good ventilation and keep in a dry work place. Avoid spilling. Keep away from food. Protect from frost.

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

Store in dry and closed containers between 5°C and 25°C in well ventilated rooms. Protect from moisture.

**7.3. Specific end use(s)**

Not available.

**8. Exposure controls/personal protection**

The personal protection media should meet the requirements of Directive of 89/686/EC (together with later changes) The employer is obliged to ensure measures of personal protection suitable to activities that are made and fulfilling all quality requirements as well as 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**

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:**

Work in well ventilated rooms.

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**Protection of hands and body:**

Wear overalls.

**Eye protection:**

Wear safety glasses.

**Environment exposure control**

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

**9. Physical and chemical properties**

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

Physical state	High viscosity liquid (adhesive)
Density	1,1 – 1,4 g/cm <sup>3</sup>
Boiling point	> 200°C
Flash point	>200°C
Self-ignition temperature	>500°C
Odour	Very weak
Solubility in water	insoluble
Solubility in ketones and esters	soluble
Dynamic viscosity at 25°C	7000-10000 mPas

**9.2. Other information**

Lack of additional tests.

**10. Stability and reactivity**

**10.1. Reactivity**

Not available.

**10.2. Chemical stability**

No dangerous products of decomposition, when stored and handled correctly.

**10.3. Possibility of hazardous reactions**

Reactions with strong acids and strong oxidizing agents.

**10.4. Conditions to avoid**

No decomposition if stored and used according to recommendations.

**10.5. Incompatible materials**

Not available.

**10.6. Hazardous decomposition products**

Do not occur if the product is properly stored. In case of unsuitable storage CO, CO<sub>2</sub>,NO<sub>x</sub> may be emitted.

**11. Toxicological information**

**11.1. Information on toxicological effects**

In contact with skin	Irritating skin.
In contact with eyes	Irritating.

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After swallowing -  
Allergy May cause sensitization by inhalation and skin contact.  
Acute toxicity- Component A:  
LD50 oral:> 2000 mg/kg – for pure resin  
May cause allergy in persons particularly sensitive in contact with skin.

**12. Ecological information**

**12.1. Toxicity**

Component A does not contain volatile ingredients and does not constitute hazard for the atmospheric air, but as semi solid substance insoluble in water and very difficult to biodegradation, may induce long lasting changes in the aquatic environment. Do not allow the substance to reach sewage system, water basins, ground water and soil.

**12.2. Persistence and degradability**

Lack of additional tests.

**12.3. Bioaccumulative potential**

Possesses potential to bioaccumulation.

**12.4. Mobility in soil**

Easy absorbed by 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.

**12.6. Other adverse effects**

Not available.  
For used resin;  
LC50 for fish: 2,4 mg/l  
EC50 for daphnia: 3,6 mg/l

**13. Disposal considerations**

**13.1. Waste treatment methods**

Both components are distributed in one package in very small amounts. Such small ones are usually completely used up in accordance with their designation If wastes arise. They are destroyed in accordance with local and state regulations.

Waste code:

**08 04 09** Waste adhesives and sealants containing organic solvents or other dangerous substations.  
**15 01 10** Packaging containing residues of dangerous substations or contaminated with them.

**EC Legal instruments**

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

**State legal instruments**

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**14. Transport information**

**14.1. UN-Number: 3082**

Land transport ADR/RID and GGVSEB (international/state)	9, LQ=5L
Sea transport IMDG/VSee:	9
Air transport ICAO – TI IATA – DGR:	9

**14.2. Proper shipping name**

Liquid material hazardous to the environment, i.n.o.

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

9.

**14.4. Packing group**

III

**14.5. Hazards to environment**

Toxic to aquatic life with long lasting effects

**14.6. Special precautions for user**

During handling with load use personal protection according to point 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, labeling 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, labeling 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:  
H315 – Causes skin irritation  
H317 – May cause an allergic skin reaction  
H319 – Causes serious eye irritation  
H411- Toxic to aquatic life with long lasting effects

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.

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

**1.1. Product identifier**

Trade name                                   RAPID EPOXY ADHESIVE – KOMPONENT B  
Article number                               E-362

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

identified uses                               A fast curing two component adhesive designed for bonding all materials in household, industry and motorisation.  
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  
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[www.technicql.pl](http://www.technicql.pl) [office@technicql.pl](mailto:office@technicql.pl)  
[jakosc@technicql.pl](mailto:jakosc@technicql.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:       -

**2.2. Label elements: H - not applicable**

**P - not applicable**

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**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
2,4,6-tris(dimethylaminomethyl)-phenol	90-72-2	202-013-9	01-2119560597-27	<5	Acute Tox.4, H302, Eye Irrit.2, H319 Skin Irrit.2, H315

**4. First aid measures**

**4.1 Description of first aid measures**

After eye contact	In case of contact flush eyes immediately with plenty of water and seek medical attention.
After skin contact	Remove completely the glue with a dry cloth or a paper towel before washing with detergent and water. In case of skin irritation seeks medical attention.
After inhalation	Fresh air and rest if symptoms persist seek medical attention.
After swallowing	Drink two glasses of water. Do not provoke vomiting. Seek medical attention.

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

Not available.

**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**

All available media: powder, foam, water fog, CO<sub>2</sub>; (use highly sprayed water).

Unsuitable extinguishing media: High volume water jet.

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

CO<sub>2</sub>, CO, nitrogen oxides and soot.

**5.3. Advice for firefighters**

Wear protective equipment. Wear self – contained breathing apparatus.

**6. Accidental release measures**

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

See point 8.



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**6.2. Environmental precautions:**

Avoid the product will come into soil, ground water and sewage system.

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

In case of spilling wipe scrape or soak up in invert material (sand) and take up mechanically in suitable containers. Disposal in accordance with state and local 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:**

Ensure good ventilation and keep in dry work place. Avoid spilling. Keep away from food. Protect from frost.

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

Store in dry and closed containers between 5°C and 25°C in well ventilated rooms. Undertake measures against electrical discharges.

**7.3. Specific end use(s)**

Not available.

**8. Exposure controls/personal protection**

The personal protection media should meet the requirements of the Directive of 89/686/EC (together with later changes) The employer is obliged to ensure measures of personal protection suitable to activities that are made and fulfilling all quality requirements as well as 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> ]
-	-	-

**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:**

Work in well ventilated rooms.

**Protection of hands and body:**

Wear overalls.

**Eye protection:**

Wear safety glasses.

**Environment exposure control**

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

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**9. Physical and chemical properties**

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

Physical state	High viscosity liquid (adhesive)
Density	1,2 – 1,3 g/cm <sup>3</sup>
Flash point	137°C
Odour	Characteristic
Solubility in water	Partly soluble
Solubility in ketones and esters	Soluble
Viscosity at 25°C	10000-16000 mPas

**9.2. Other information**

Lack of additional tests.

**10. Stability and reactivity**

**10.1. Reactivity**

Not available.

**10.2. Chemical stability**

No dangerous products of decomposition, when stored and handled correctly.

**10.3. Possibility of hazardous reactions**

Reactions with strong acids and strong oxidizing agents. The products which should be avoided: peroxides, acids, aldehydes, ketones.

**10.4. Conditions to avoid**

The component does not decompose if it is suitably handled and stored.

**10.5. Incompatible materials**

Not available.

**10.6. Hazardous decomposition products**

Do not occur if the product is handled and stored correctly. CO, CO<sub>2</sub>, NO<sub>x</sub> may be emitted in case of unsuitable storage.

**11. Toxicological information**

**11.1. Information on toxicological effects**

In contact with skin: Irritating skin.

In contact with eyes: Irritating.

After swallowing: -

Allergy: May cause allergy reaction. May cause sensitization by skin contact.

Toxicity 2,4,6 tris( dimethylaminomethyl)phenol

LD50 oral > 2000 mg/kg

Toxicity Triethylenetetramine:

LD 50 (oral) rat: 2500 – 4340 mg/kg

LD 50 (oral) mouse: 1600 mg/kg

LD 50 (oral) rabbit: 5500 mg/kg

LD 50 (skin) rabbit: 550 – 805 mg/kg



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

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Hazards to environment**

Avoid release to the environment.

**14.6. Special precautions for user**

During handling with load use personal protection according to point 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:**

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The regulation of European Parliament and Council (EC) no.1272/2008 of 16 December 2008 concerning the classification, labeling 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

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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:

H302 – Harmful if swallowed

H315 – Causes skin irritation

H319 – Causes serious eye irritation

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**MSDS developed by NALMAT Trzebinia**

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