

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

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

1.1. Product identifier

Trade name PLUMBING EPOXY PUTTY – COMPONENT A
Article number E-150

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

identified uses A two part product, waterproof, designed to repair uptight water-sewage, gas, and central heating installations.
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: H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H319 – 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). May produce an allergic reaction.

Warning symbol:



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
P280- Wear protective gloves/protective clothing/eye protection/face protection

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

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	30 - <100	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, CO₂; (use highly sprayed water).
Unsuitable extinguishing media: High volume water jet.

5.2. Special hazards arising from the substance or mixture

CO₂, CO, nitrogen oxides and soot.

5.3. Advice for firefighters

Wear protective equipment. Wear self – contained breathing apparatus.

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See point 8.

6.2. Environmental precautions:

Do not allow to enter soil, ground water, water basins 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 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:

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 in the work place.

Exposure control	NDS [mg/m ³]	NDSCH [mg/m ³]
-	-	-

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.

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	plastic mass
Specific gravity	1,8 – 1,9 g/cm ³
Boiling point	> 200°C
Flash point	>200°C
Self-ignition temperature	>500°C
Odour	very weak
Water solubility	insoluble
Solubility in ketones and esters	soluble
Dynamic viscosity 25°C	-
Colour of Component A	blue

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 handled and stored correctly. CO, CO₂, NO_x may be emitted in case of unsuitable storage.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity-Component A:

LD₅₀ oral >20000 mg/kg (rat)

LD₅₀ dermal >4000 mg/kg (rat) .

May cause an allergic reaction in particularly sensitive persons

12. Ecological information

12.1. Toxicity

Lack of additional tests.

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

12.2. Persistence and degradability

Lack of additional tests.

12.3. Bioaccumulative potential

Possesses potential to 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.

12.6. Other adverse effects

Not available.

For used resin;

LC50 fish: 2,4 mg/l

EC50 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 amounts are usually completely used up in accordance with their designation. If the waste is produced it is undergone destruction in accordance with local and state 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 substances or contaminated with them.

EC Legal Instrument

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

14. Transport information

14.1. UN-Number: 3077

Land transport ADR/RID and GGVSEB 9, LQ=5 kg
(international/state)

Sea transport IMDG/VSee: 9

Air transport ICAO – TI I IATA – DGR: 9

14.2. Proper shipping name

Solid material threatening 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

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

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, 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.

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

1.1. Product identifier

Trade name	PLUMBING EPOXY PUTTY – COMPONENT B
Article number	E-150

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

identified uses	A two part product, waterproof, easy to use and effective, designed to repair uptight water-sewage, gas and central heating installations, .
uses advised against	-

1.3. Details of the supplier of the safety data sheet

Manufacturer	NALMAT-Trzebinia Marian Krzyworszka ul. Kościuszki 88 32-540 Trzebinia
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SAFETY DATA SHEET
according to 830/2015/EC, 28.05.2015



Date: 2015-05-06
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PLUMBING EPOXY PUTTY

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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: H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H318 – Causes serious eye damage
H341 – Suspected of causing genetic defects

Environmental hazards: Harmful 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 (No. EC: 500-033-5) and Triethylenetetramine (No. EC: 203-950-6). May produce an allergic reaction.

Warning symbol:



DANGER

H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H318 – Causes serious eye damage
H341 – Suspected of causing genetic defects
H412 – Harmful to aquatic life with long lasting effects

P102 – Keep out of reach of children
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.

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

3. Composition/information on ingredients

3.1. Substance: -

3.2. Mixtures

Description	CAS	EC	REACH No	Content %	Classification
Triethylenetetramine	112-24-3	203-950-6	01-2119487919-13-XXXX	<3	Acute Tox.4, H312, Skin Corr.1B, H314, Skin Sens.1, H317, Aquatic Chronic 3, H412
Epoxy resin (average molecular weight <700)	25068-38-6	500-033-5	01-2119456619-26-0013	<5	Eye Irrit.2, H319 Skin Irrit.2, H315 Skin Sens.1, H317 Aquatic Chronic 2 H411 (For: c<5% - Skin Sens.1, H317, Aquatic Chronic3, H412)
Phenol	108-95-2	203-632-7	01-2119882293-32-0000	<2	Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301 STOT RE. 2, H373 Skin Corr. 1B, H314, (For: c<3% : Eye Irrit. 2, H319, Skin Irrit. 2, H315 Muta. 2, H341)

4. First aid measures

4.1. Description of first aid measures

After eye contact
After skin contact

In case of contact, flush eyes immediately with plenty of water and seek medical attention.
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
After swallowing

Fresh air and rest if symptoms persist, seek medical attention.
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, CO₂; (use highly sprayed water).

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

Unsuitable extinguishing media: High volume water jet.

5.2. Special hazards arising from the substance or mixture

CO₂, 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.

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 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.

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 ³]	NDSCH [mg/m ³]
Phenol	7,8	16
Triethylenetetramine	1	3

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

8.2. Exposure controls

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..

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Plastic mass
Specific gravity	2,0 – 2,1 g/cm ³
Boiling point	>96°C
Flash point	>200°C
Odour	Typical for amines
Water solubility	Partly soluble
Solubility in ketones and esters	soluble

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

Peroxides, acids, aldehydes, ketones.

10.5. Incompatible materials

Not available.

10.6. Hazardous decomposition products

Do not occur if the product is handled and stored correctly. CO, CO₂, NO_x may be emitted in case of unsuitable storage.

11. Toxicological information

11.1. Information on toxicological effects

Irritating product. Irritating to eyes and skin. May cause allergy in particularly sensitive persons in contact with skin.

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

For epoxy resin:
LD₅₀ oral >50000 mg/kg (rat)
LD₅₀ dermal >23 500 mg/kg (rabbit)

12. Ecological information

12.1. Toxicity

Component : Dangerous for the environment because contains amines. The product does not undergo biodegradation in biological treatment plants. Excessive amounts may cause the mass poisoning. May be dangerous for fish in big concentrations. Do not allow the product 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 biodegradation.

12.4. Mobility in soil

Easily 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

Lack of additional tests.
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. One package contains no more than 100g of each component. Such small amounts are usually used up completely in accordance with their designation. Waste material is destroyed in accordance with the state and local regulations.
Observe the regulation of law of 27.04.2001r waste products (Journal of Law. No 62, section. 628) with later changes. Observe the regulation of law of 27.05. 2001r of packages and package waste. (Journal of Law. No. 63, section. 638)

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.

14. Transport information

14.1. UN-Number: 3077

Land transport ADR/RID and GGVSEB 9, LQ-5 kg
(international/state)

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

Sea transport IMDG/VSee: 9

Air transport ICAO – TI IATA – DGR: 9

14.2. Proper shipping name

Solid material threatening the environment, i.n.o.

14.3. Transport hazard class(es)

9.

14.4. Packing group

III

14.5. Hazards to environment

Harmful to aquatic life with long lasting effects

14.6. Special precautions for user

while handling the cargo use personal protection measures according to point 8.

14.7. Transport in bulk according to the appendix 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:

-

16. Other information

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

H301 – Toxic if swallowed

H311 – Toxic in contact with skin

H312 – Harmful in contact with skin

H314 – Causes severe skin burns and eye damage

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



Date: 2015-05-06
Update: 2017-01-25

PLUMBING EPOXY PUTTY

H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H319 – Causes serious eye irritation
H331 – Toxic if inhaled
H373 – May cause damage to organs through prolonged or repeated exposure
H341 – Suspected of causing genetic defects
H411 - Toxic to aquatic life with long lasting effects
H412- Harmful to aquatic life with long lasting effects

No. In Register: Reg./18 2/2002

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MSDS developed by NALMAT Trzebinia