

## Safety Data Sheet

# WALL2FLOOR EPOXY BINDER COMPONENTE B



Safety Data Sheet dated 14/3/2017, version 1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: WALL2FLOOR EPOXY BINDER COMPONENTE B

Trade code: N354003

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

Recommended use:

Coating material

1.3. Details of the supplier of the safety data sheet

Company:

NOVACOLOR S.R.L

Via U. Aldrovandi, 10

47122 Forlì (FC) - Italy -

Tel. +39 0543 401840

Fax. +39 0543 414585

Competent person responsible for the safety data sheet:

reach@novacolor.biz

1.4. Emergency telephone number

Technical information: NOVACOLOR SRL +39 0543 401840 (Monday – Friday 8.00-12.00 ; 13.30-17.30)

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

⚠ Danger, Eye Dam. 1, Causes serious eye damage.

⚠ Warning, Skin Irrit. 2, Causes skin irritation.

⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H318 Causes serious eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents / container in accordance with national regulations.

Special Provisions:

None

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#### Contains

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with N-(2-aminoethyl)-1,2-ethanediamine, (chloromethyl)oxirane, alpha-hydro-omegahydroxypoly[oxy(methyl-1,2-ethanediyl)] ether with 2,2...

Formaldehyde, polymer with

N1-(2-aminoethyl)-N2-[2-[(2-aminoethyl)amino]ethyl]-1,2-ethanediamine, 2,

2'-[1,4-butanediylbis(oxymethyl

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-tetraethylenepentamine

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

#### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.

### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

| Qty                 | Name  | Ident. Number  | Classification   |
|---------------------|---|--|--|
| >= 25% -<br>< 30%   | Phenol, 4,4'-(1-methylethylidene)bis-, polymer with N-(2-aminoethyl)-1,2-ethanediamine, (chloromethyl)oxirane, alpha-hydro-omegahydroxypoly[oxy(methyl-1,2-ethanediyl)] ether with 2,2... | CAS: 455946-46-0   | ⚠ 3.3/1 Eye Dam. 1 H318  |
| >= 10% -<br>< 12.5% | Formaldehyde, polymer with N1-(2-aminoethyl)-N2-[2-[(2-aminoethyl)amino]ethyl]-1,2-ethanediamine, 2, 2'-[1,4-butanediylbis(oxymethyl  | CAS: 180583-06-6   | ⚠ 3.4.2/1 Skin Sens. 1 H317<br>⚠ 4.1/C2 Aquatic Chronic 2 H411   |
| >= 1% -<br>< 3%     | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-   | CAS: 9046-10-0   | ⚠ 3.2/1C Skin Corr. 1C H314<br>⚠ 3.3/1 Eye Dam. 1 H318<br>⚠ 4.1/C2 Aquatic Chronic 2 H411  |
| >= 1% -<br>< 3%     | tetraethylenepentamine  | Index number: 612-060-00-0<br>CAS: 112-57-2<br>EC: 203-986-2<br>REACH No.: 01- | ⚠ 3.2/1B Skin Corr. 1B H314<br>⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317<br>⚠ 4.1/C2 Aquatic Chronic 2 H411<br>⚠ 3.1/4/Oral Acute Tox. 4 H302 |

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|  |  |                        |                                |
|--|--|------------------------|--------------------------------|
|  |  | 2119557899<br>-12-XXXX | 3.1/4/Dermal Acute Tox. 4 H312 |
|--|--|------------------------|--------------------------------|

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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

##### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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#### SECTION 6: Accidental release measures

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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

##### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

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In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

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#### SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

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#### SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

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#### SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: liquid

Colour: yellow

Odour: characteristic

Odour threshold: N.A.

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|   |           |
|---|-----------|
| pH:   | N.A.      |
| Melting point / freezing point:               | N.A.      |
| Initial boiling point and boiling range:      | N.A.      |
| Solid/gas flammability:                       | N.A.      |
| Upper/lower flammability or explosive limits: | N.A.      |
| Vapour density:                               | N.A.      |
| Flash point:                                  | N.A.      |
| Evaporation rate:                             | N.A.      |
| Vapour pressure:                              | N.A.      |
| Relative density:                             | 1.04 kg/l |
| Solubility in oil:                            | N.A.      |
| Partition coefficient (n-octanol/water):      | N.A.      |
| Auto-ignition temperature:                    | N.A.      |
| Decomposition temperature:                    | N.A.      |
| Viscosity:                                    | N.A.      |
| Explosive properties:                         | N.A.      |
| Oxidizing properties:                         | N.A.      |
| 9.2. Other information                        |           |
| Miscibility:                                  | N.A.      |
| Fat Solubility:                               | N.A.      |
| Conductivity:                                 | N.A.      |
| Substance Groups relevant properties          | N.A.      |

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#### SECTION 10: Stability and reactivity

- 10.1. Reactivity  
Stable under normal conditions
- 10.2. Chemical stability  
Stable under normal conditions
- 10.3. Possibility of hazardous reactions  
None
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

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#### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects  
Toxicological information of the product:  
WALL2FLOOR EPOXY BINDER COMPONENTE B
  - a) acute toxicity  
Not classified  
No data available for the product
  - b) skin corrosion/irritation  
The product is classified: Skin Irrit. 2 H315
  - c) serious eye damage/irritation  
The product is classified: Eye Dam. 1 H318
  - d) respiratory or skin sensitisation  
The product is classified: Skin Sens. 1 H317
  - e) germ cell mutagenicity  
Not classified  
No data available for the product
  - f) carcinogenicity  
Not classified  
No data available for the product
  - g) reproductive toxicity

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- Not classified
  - No data available for the product
  - h) STOT-single exposure
    - Not classified
    - No data available for the product
  - i) STOT-repeated exposure
    - Not classified
    - No data available for the product
  - j) aspiration hazard
    - Not classified
    - No data available for the product
- Toxicological information of the main substances found in the product:  
tetraethylenepentamine - CAS: 112-57-2  
LD50 (RABBIT) SKIN: 660 MG/KG

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#### SECTION 12: Ecological information

- 12.1. Toxicity  
Adopt good working practices, so that the product is not released into the environment.

- WALL2FLOOR EPOXY BINDER COMPONENTE B  
The product is classified: Aquatic Chronic 3 - H412
- 12.2. Persistence and degradability  
N.A.
- 12.3. Bioaccumulative potential  
N.A.
- 12.4. Mobility in soil  
N.A.
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
None

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#### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods  
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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#### SECTION 14: Transport information

- 14.1. UN number  
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name  
N.A.
- 14.3. Transport hazard class(es)  
N.A.
- 14.4. Packing group  
N.A.
- 14.5. Environmental hazards  
N.A.
- 14.6. Special precautions for user  
limited quantity:  
N.A.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
N.A.

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#### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
 Dir. 98/24/EC (Risks related to chemical agents at work)  
 Dir. 2000/39/EC (Occupational exposure limit values)  
 Regulation (EC) n. 1907/2006 (REACH)  
 Regulation (EC) n. 1272/2008 (CLP)  
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
 Regulation (EU) 2015/830  
 Regulation (EU) n. 286/2011 (ATP 2 CLP)  
 Regulation (EU) n. 618/2012 (ATP 3 CLP)  
 Regulation (EU) n. 487/2013 (ATP 4 CLP)  
 Regulation (EU) n. 944/2013 (ATP 5 CLP)  
 Regulation (EU) n. 605/2014 (ATP 6 CLP)  
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

#### SECTION 16: Other information

Full text of phrases referred to in Section 3:

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

| Hazard class and hazard category | Code         | Description                         |
|----------------------------------|--------------|-------------------------------------|
| Acute Tox. 4                     | 3.1/4/Dermal | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4                     | 3.1/4/Oral   | Acute toxicity (oral), Category 4   |
| Skin Corr. 1B                    | 3.2/1B       | Skin corrosion, Category 1B         |
| Skin Corr. 1C                    | 3.2/1C       | Skin corrosion, Category 1C         |
| Skin Irrit. 2                    | 3.2/2        | Skin irritation, Category 2         |
| Eye Dam. 1                       | 3.3/1        | Serious eye damage, Category 1      |
| Skin Sens. 1                     | 3.4.2/1      | Skin Sensitisation, Category 1      |

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|                    |               |  |
|--------------------|---------------|--|
| Skin Sens. 1,1A,1B | 3.4.2/1-1A-1B | Skin Sensitisation, Category 1,1A,1B           |
| Aquatic Chronic 2  | 4.1/C2        | Chronic (long term) aquatic hazard, category 2 |
| Aquatic Chronic 3  | 4.1/C3        | Chronic (long term) aquatic hazard, category 3 |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|--------------------------|
| Eye Dam. 1, H318  | Calculation method       |
| Skin Irrit. 2, H315                                       | Calculation method       |
| Skin Sens. 1, H317  | Calculation method       |
| Aquatic Chronic 3, H412                                   | Calculation method       |

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

|             |  |
|-------------|--|
| ADR:        | European Agreement concerning the International Carriage of Dangerous Goods by Road. |
| CAS:        | Chemical Abstracts Service (division of the American Chemical Society).              |
| CLP:        | Classification, Labeling, Packaging.   |
| DNEL:       | Derived No Effect Level.   |
| EINECS:     | European Inventory of Existing Commercial Chemical Substances.                       |
| GefStoffVO: | Ordinance on Hazardous Substances, Germany.  |
| GHS:        | Globally Harmonized System of Classification and Labeling of Chemicals.              |
| IATA:       | International Air Transport Association.   |
| IATA-DGR:   | Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  |
| ICAO:       | International Civil Aviation Organization.   |
| ICAO-TI:    | Technical Instructions by the "International Civil Aviation Organization" (ICAO).    |
| IMDG:       | International Maritime Code for Dangerous Goods.                                     |
| INCI:       | International Nomenclature of Cosmetic Ingredients.                                  |
| KSt:        | Explosion coefficient.   |
| LC50:       | Lethal concentration, for 50 percent of test population.                             |
| LD50:       | Lethal dose, for 50 percent of test population.                                      |
| PNEC:       | Predicted No Effect Concentration.   |
| RID:        | Regulation Concerning the International Transport of Dangerous Goods                 |



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### WALL2FLOOR EPOXY BINDER COMPONENTE B

|       |                                 |
|-------|---------------------------------|
|       | by Rail.                        |
| STEL: | Short Term Exposure limit.      |
| STOT: | Specific Target Organ Toxicity. |
| TLV:  | Threshold Limiting Value.       |
| TWA:  | Time-weighted average           |
| WGK:  | German Water Hazard Class.      |