



Safety data Sheet

WALL2FLOOR EPOXY BINDER COMPONENT A

Safety data sheet dated 14/3/2017, revision 1

SECTION 1: identification of the substance / mixture and of the company / undertaking

1.1. Product identifier Mixture identification:

Trade name:

WALL2FLOOR EPOXY BINDER COMPONENT A

Commercial code:

N353002

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

Paint product

1.3. Details of the supplier of the safety data sheet Supplier:

NOVACOLOR SRL 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





Poison Control Center for the Italian territory (24/7): Pavia 0382 24444; Milan 02 66101029; Bergamo 800883300; Florence 055 7947819; Roma Gemelli 06 3054343; Rome Umberto I 06 49978000; Naples 081 7472870.

Technical information: NOVACOLOR SRL +39 0543 401840 (Mon-Fri 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):

-  Warning, Skin Irrit. 2, Causes skin irritation. Attention, Eye Irrit. 2, Causes serious eye irritation. Attention, Skin
-  Sens. 1, May cause an allergic skin reaction. Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.
-  Physico-chemical effects harmful to human health and the environment:
- 

No other danger

2.2. Label elements Hazard

pictograms:



Warning Hazard

statements:

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

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

P305 + P351 + P338 IN CASE OF EYE CONTACT: rinse thoroughly for several minutes. Remove any contact lenses if it is easy to do so. Continue to rinse.

P333 + P313 In case of skin irritation or rash: consult a doctor. P337 + P313 If eye irritation persists, consult a doctor. P501 Dispose of contents / container in accordance with national regulations.

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Special provisions:

EUH205 Contains epoxy components. It can cause an allergic reaction. It Contains

reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight = 700)

Epichlorohydrin-formaldehyde-phenol polymer

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

None

2.3. Other dangers

VPvB Substances: None - PBT Substances: None Other Hazards:

No other danger

SECTION 3: composition / information on ingredients

the

3.1. Substances

NA

3.2. Mixtures

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

Qty	First name	Identification number	Classification
>= 15% - <20% reaction product	bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight = 700)	Index number: CAS: EC: REACH No. : 01- 2119456619 - 26-XXXX	2. Eye Irrit. 2 H319 3.2 / 2 Skin Irrit. 2 H315 3.4.2 / 1-1A-1B Skin Sens. 1.1A, 1B H317 4.1 / C2 Aquatic Chronic 2 H411
>= 7% - <10% Epichlorohydrin-phenol	Epichlorohydrin-phenol	CAS: REACH No. : 01- 2119454392 - 40-XXXX	3.2 / 2 Skin Irrit. 2 H315 3.3 / 2 Eye Irrit. 2 H319 3.4.2 / 1 Skin Sens. 1 H317 4.1 / C2 Aquatic Chronic 2 H411
>= 3% - <5%	1-methoxy-2-propanol	Index: CAS: EC: 203-539-1	3. Flam. Liq. 3 H226 3.8 / 3 STOT SE 3 H336
>= 1% - <3%	Benzyl alcohol	Index number: CAS: EC: REACH No. : 01- 2119492630 - 38-XXXX	4. Oral Acute Tox. 4 H302 3.1 / 4 / Inhal Acute Tox. 4 H332

SECTION 4: first aid measures

4.1. Description of first aid measures In case of skin contact:

Immediately take off all contaminated clothing.

Immediately wash areas of the body that have come into contact with the product, even if only suspicious, with plenty of running water and, if necessary, soap. Wash the body completely (shower or bath).

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Remove contaminated clothing immediately and dispose of it safely. In case of contact with skin, wash immediately with plenty of water and soap. In case of eye contact:

In case of contact with the eyes, rinse them with water for an adequate period of time and keeping the eyelids open, then immediately consult an ophthalmologist. Protect the unharmed eye. In case of ingestion:

Never induce vomiting. SEEK MEDICAL EXAMINATION IMMEDIATELY. In case of inhalation:

Take the injured person to fresh air and keep him 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 if you feel unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment: None

SECTION 5: firefighting measures

5.1. Extinguishing media Suitable
extinguishing media: Water.

Carbon dioxide (CO₂).

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 the gases produced by the explosion and combustion. Combustion produces heavy smoke.

5.3. Advice for firefighters Use suitable respiratory equipment.

Collect the contaminated water used to extinguish the fire separately. Do not drain it into the sewer system.

If feasible in terms of safety, move undamaged containers from the immediate danger area.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures Wear personal protective equipment.
Move people to a safe place.

Consult the protective measures set out in points 7 and 8.

6.2. Environmental precautions
Prevent penetration into soil / subsoil. Prevent runoff into surface water or sewerage.

Retain contaminated wash water and dispose of it.

In the event of gas leakage or penetration into waterways, soil or sewage system, inform the responsible authorities.

Suitable material for collection: absorbent, 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 paragraphs 8 and 13

SECTION 7: handling and storage

7.1. Precautions for Safe Handling
Avoid contact with skin and eyes, inhalation of vapors and mists.

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Do not use empty containers before they have been cleaned.

Before the transfer operations, make sure that there are no incompatible residual materials in the containers.

Contaminated clothing must be replaced before entering the dining areas. At work do not eat or drink.

See also paragraph 8 for the recommended protective devices.

7.2. Conditions for safe storage, including any incompatibilities Keep away from food, drink and feed.

Incompatible subjects:

None in particular. See also paragraph 10 below. Indication for premises: Adequately ventilated premises.

7.3. Specific end use (s) No particular use

SECTION 8: exposure control / protection indi

vidual

8.1. Control parameters

1-methoxy-2-propanol - CAS: 107-98-2

- OEL type: UE - TWA (8h): 375 mg / m³, 100 ppm - STEL: 568 mg / m³, 150 ppm - Notes: skin

- OEL type: ACGIH - TWA (8h): 184 mg / m³, 50 ppm - STEL: 368 mg / m³, 100 ppm

DNEL exposure limit values

reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight = 700) - CAS: 25068-38-6

Professional worker: 8.33 mg / kg - Exposure: Human Dermal Long-term (repeated)

Professional worker: 8.33 mg / kg - Exposure: Human Dermal Short term (acute)

Professional worker: 0.012 mg / l - Exposure: Human Inhalation Short term (acute)

Professional worker: 0.012 mg / l - Exposure: Human Inhalation Long term (repeated)

1-methoxy-2-propanol - CAS: 107-98-2

Consumer: 3.3 mg / kg - Exposure: Human Oral Long term, systemic effects Consumer: 43.9 mg / m³ - Exposure: Human Inhalation Short term, systemic effects

Professional worker: 553.5 mg / m³ - Exposure: Human Inhalation Short term, local effects

Professional worker: 369 mg / m³ - Exposure: Human Inhalation Long term, systemic effects

Professional worker: 50.6 mg / kg - Consumer: 18.1 mg / kg - Exposure: Human Dermal Long term, systemic effects Benzyl alcohol - CAS: 100-51-6

Consumer: 25 mg / kg - Exposure: Human Oral Short term, systemic effects Consumer: 5 mg / kg - Exposure: Human Oral Long term, systemic effects Professional worker: 47 mg / kg - Exposure: Human Dermal Short term, systemic effects

Professional worker: 9.5 mg / kg - Exposure: Human Dermal Long-term, systemic effects

Professional worker: 450 mg / m³ - Exposure: Human Inhalation Short term, systemic effects

Professional worker: 90 mg / m³ - Exposure: Human Inhalation Long term, systemic effects

PNEC exposure limit values

reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight = 700) - CAS: 25068-38-6 Fresh water

0.006 mg / l

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Fresh water sediments 0.0627 mg / kg Sea water
0.0006 mg / l
Seawater sediment 0.00627 mg / kg Microorganisms in wastewater treatment
10 mg / l 1-methoxy-2-propanol - CAS: 107-98-2

Fresh water 10 mg / l Sea
water 1 mg / l
Freshwater sediment 41.6 mg / kg Seawater
sediment 4.17 mg / kg
Microorganisms in wastewater treatment 100 mg / l Soil (agricultural) 2.47 mg / kg
Benzyl alcohol - CAS: 100-51-6

Soil (agricultural) 0.456 mg / kg Fresh water sediments
5.27 mg / kg Sea water sediments 0.527 mg / kg Sea
water 0.1 mg / l Fresh water 1 mg / l

8.2. Exposure controls Eye protection:

Use closed safety visors, do not use eye lenses. Skin protection:

Wear clothing that guarantees total protection for the skin, e.g. in cotton, rubber, PVC or viton. Hand protection:

Use protective gloves that guarantee total protection, e.g. in PVC, neoprene or rubber.

Respiratory protection:

Not necessary for normal use. Thermal risks:

Nobody

Environmental exposure controls:

None Suitable

technical checks:

Nobody

SECTION 9: physical and chemical properties

9.1. Information on basic physical and chemical properties Appearance:

	liquid	
Color:	White	
Smell:	characteristic	
Odor threshold:	NA	
pH:	NA	
Melting point / freezing point:	NA	
Initial boiling point and boiling range:		NA
Solid / gas flammability:	NA	
Upper / lower flammability or explosion limit:		NA
Vapor density:	NA	
Flash point:	NA	
Evaporation rate:	NA	
Vapor pressure:	NA	
Relative density:	1.80 kg / l	
Lipid:	NA	
Partition coefficient (n-octanol / water):		NA
Auto-ignition temperature:		NA
Decomposition temperature:		NA
Viscosity:	NA	
Explosive properties:	NA	

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Oxidizing properties:	NA
9.2. Other information	
Miscibility:	NA
Lipid:	NA
Conductivity:	NA
Characteristic properties of groups of substances	NA

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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects Toxicological information of the product:

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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 / serious eye irritation The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitization 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 Not classified

No data available for the product.

h) specific target organ toxicity (STOT) - single exposure Not classified

No data available for the product.

i) specific target organ toxicity (STOT) - repeated exposure Not classified

No data available for the product.

j) aspiration hazard Not classified

No data available for the product.

Toxicological information regarding the main substances present in the product:

reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight = 700) - CAS: 25068-38-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 15000 mg / kg

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- Test: LD50 - Route: Skin - Species: Rat = 23000 mg / kg
- b) skin corrosion / irritation: Test: Irritating to skin
Positive
- c) serious eye damage / serious eye irritation: Test: Eye
irritant Positive 1-methoxy-2-propanol - CAS: 107-98-2
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 5300 mg / kg Test: LD50 - Route: Skin - Species: Rabbit 13000 mg / kg Test: LC50 - Route: Inhalation - Species: Rat 54.6 mg / l - Duration: 4h
Alcohol benzyl - CAS: 100-51-6
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 1620 mg / kg Test: LC50 - Route: Inhalation - Species: Rat > 4178 mg / m³ - Duration: 4h Test: LD50 - Route: Skin - Species: Rabbit = 2000 mg / kg
- e) germ cell mutagenicity:
Test: Positive Mutagenesis - Source: OECD 476 in vitro Test: Negative Mutagenesis - Source: OECD 474
- g) reproductive toxicity:
Test: Reproductive toxicity - Route: Oral - Species: Positive Mouse 750 mg / kg - Notes: 192h

Test: Reproductive toxicity - Route: Oral - Species: Negative Mouse 550 mg / kg - Notes: 240h

SECTION 12: ecological information

12.1. Toxicity

Use according to good working practices, avoiding to disperse the product in the environment. WALL2FLOOR EPOXY BINDER COMPONENT A

The product is classified: Aquatic Chronic 2 - H411

reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight = 700) - CAS: 25068-38-6

a) Acute aquatic toxicity:

Test: NOEC - Species: Daphnia = 0.3 mg / l 21 d Test: EC50 - Species: Daphnia = 1.8 mg / l - Duration h: 48 Test: LC50 - Species: Fish = 2 mg / l - Duration h: 96

1-methoxy-2-propanol - CAS: 107-98-2

a) Acute aquatic toxicity:

Test: EC50 - Species: Daphnia > 500 mg / l - Duration h: 48 Test: EC50 - Species: Algae > 1000 mg / l - Duration h: 72

Benzyl alcohol - CAS: 100-51-6

a) Acute aquatic toxicity:

Test: EC50 - Species: Daphnia = 230 mg / l - Duration h: 48 Test: EC50 - Species: Algae = 700 mg / l - Duration h: 72 Test: LC50 - Species: Fish = 460 mg / l - Duration h: 96

c) Toxicity to bacteria:

Test: EC50 = 390 mg / l - Duration h: 24

12.2. Persistence and degradability

NA

12.3. Bioaccumulative potential

NA

12.4. Mobility in the soil

NA

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. Operate according to local and national regulations.

SECTION 14: Transport information

14.1. UN number ADR-UN number:

3082

IATA-UN number: 3082

IMDG-UN number: 3082

14.2. UN proper shipping name ADR-Proper

shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NAS

IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
NOS

IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
NOS

14.3. Danger classes connected to transport ADR-Class:

9

ADR-Label: 9

ADR - Hazard identification number: 90

IATA-Class: 9

IATA-Label: 9

IMDG-class: 9

14.4. Packing group ADR-Packing group:

III

IATA-Packing group: III

IMDG-Packing group: III

14.5. Environmental hazards ADR -

Environmental pollutant: Yes

Marine pollutant: Marine pollutant

Most important toxic component: reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average
molecular weight = 700)

14.6. Special precautions for users ADR-Tunnel restriction

code: (IS)

IATA-Passenger Aircraft: 964

IATA-Cargo Aircraft: 964

Limited quantities: 5 IMDG-EMS:

FA, SF

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

NA

ADR: Special Provision 375 IMDG:

Amendment 37-14 IATA: Special provision

A197

SECTION 15: regulatory information

15.1. Health, safety and environmental laws and regulations specific for the substance or mixture

Legislative Decree 9/4/2008 n. 81

Ministerial Decree 26/02/2004 (Occupational exposure limits) Regulation (EC) n.

1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP)

Regulation (CE) n. 790/2009 (ATP 1 CLP) and (UE) n. 758/2013 Regulation (EU)
2015/830

Regulation (EU) no. 286/2011 (ATP 2 CLP) Regulation (EU)

n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4

CLP)

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Regulation (EU) no. 944/2013 (ATP 5 CLP) Regulation (EU) n. 605/2014 (ATP 6 CLP) Regulation (EU) n. 2015/1221 (ATP 7 CLP)

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

Product restrictions:

03

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Restrictions relating to the substances contained:

No restrictions.

Where applicable, refer to the following regulations:

Ministerial circulars 46 and 61 (Aromatic amines). Directive 2012/18 /

EU (Seveso III) Regulation 648/2004 / EC (Detergents).

DL 3/4/2006 n. 152 Environmental standards Dir. 2004/42 / CE (VOC Directive)

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

Seveso III category according to Annex 1, part 1

The product belongs to the categories: E2

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the mixture

SECTION 16: other information

Text of the sentences used in paragraph 3:

H319 Causes serious eye irritation. H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.

H226 Flammable liquid and vapor. H336 May cause drowsiness or dizziness. H302 Harmful if swallowed. H332 Harmful if inhaled.

Hazard class and category	Code	Description
Flam. Liq. 3	2.6 / 3	Flammable liquid, Category 3
Acute Tox. 4	3.1 / 4 / Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1 / 4 / Oral	Acute toxicity (oral), Category 4
Skin Irrit. 2	3.2 / 2	Skin irritation, Category 2
Eye Irrit. 2	3.3 / 2	Eye irritation, Category 2
Skin Sens. 1	3.4.2 / 1	Skin sensitization, Category 1
Skin Sens. 1,1A, 1B	3.4.2 / 1-1A-1B	Skin sensitization, Category 1.1A, 1B
STOT SE 3	3.8 / 3	Specific target organ toxicity - single exposure, Category 3
Aquatic Chronic 2	4.1 / C2	Chronic (long-term) hazard to the aquatic environment, Category 2

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Classification and procedure used to derive it according to regulation (EC) 1272/2008 [CLP] in relation to mixtures:

Classification according to regulation (EC) no. 1272/2008	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document has been prepared by an SDS technician and has received adequate training. Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Center, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold CCNL - Annex 1

Istituto Superiore di Sanità - National Chemical Substances Inventory

The information contained therein is based on our knowledge at the above date. They refer only to the product indicated and do not constitute a guarantee of particular qualities. The user is required to ensure the suitability and completeness of this information in relation to the specific use that it must make of it.

This sheet supersedes any previous edition.

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 commercially available European chemicals.

GefStoffVO: Ordinance on Hazardous Substances in Germany.

GHS: Global harmonized system of classification and labeling of chemical products.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation of the "International Air Transport Association" (IATA).

ICAO: International civil aviation organization.

ICAO-TI: Technical instructions from 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 the test population.

LD50: Lethal dose for 50 percent of the test population.

PNEC: Expected concentration without effect.

RID: Regulation concerning the international transport of dangerous goods by rail.

STEL: Short term exposure limit.

STOT: Organ-specific toxicity.

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TLV: Threshold limit value.
TWA: Time weighted average
WGK: Water hazard class (Germany).