



Safety Data Sheet

VERDERAME_WALL PAINTING FONDO

Safety Data Sheet dated 6/5/2017, version 2

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

1.1. Product identifier

Mixture identification:

Trade name: VERDERAME_WALL PAINTING FONDO

Trade code: N392019

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)

⚠ Warning, Aquatic Acute 1, Very toxic to aquatic life.

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:



Warning

Hazard statements:

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

P501 Dispose of contents in accordance with national regulation.

Special Provisions:

EUH208 Contains 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

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

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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
>= 20% - < 25%	Copper	CAS: 7440-50-8 EC: 231-159-6	<ul style="list-style-type: none"> ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 4.1/A1 Aquatic Acute 1 H400 M=10. ⚠ 4.1/C2 Aquatic Chronic 2 H411 M=10.
>= 0.5% - < 1%	ethylene glycol	Index number: 603-027-00-1 CAS: 107-21-1 EC: 203-473-3 REACH No.: 01-2119456816-28-xxxx	<ul style="list-style-type: none"> ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.9/2 STOT RE 2 H373
>= 0.25% - < 0.5%	2-(2-butoxyethoxy) ethanol	Index number: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 REACH No.: 01-2119475104-44-XXXX	<ul style="list-style-type: none"> ⚠ 3.3/2 Eye Irrit. 2 H319
>= 0.005% - < 0.05%	1,2-benzisothiazol-3(2H)-one	Index number: 613-088-00-6 CAS: 2634-33-5 EC: 220-120-9	<ul style="list-style-type: none"> ⚠ 3.1/2/Inhal Acute Tox. 2 H330 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 4.1/A1 Aquatic Acute 1 H400 M=1. ⚠ 4.1/C2 Aquatic Chronic 2 H411 M=1.
>= 0.005% - < 0.05%	2-methyl-2H-isothiazol-3-one	CAS: 2682-20-4 EC: 220-239-6	<ul style="list-style-type: none"> ⚠ 3.1/3/Oral Acute Tox. 3 H301 ⚠ 3.2/1B Skin Corr. 1B H314 ⚠ 3.4.2/1A Skin Sens. 1A H317 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.1/2/Inhal Acute Tox. 2 H330 ⚠ 4.1/A1 Aquatic Acute 1 H400 M=1. ⚠ 4.1/C2 Aquatic Chronic 2 H411 M=1.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

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Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

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 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.

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.

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

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

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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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethylene glycol - CAS: 107-21-1

- OEL Type: EU - TWA(8h): 52 mg/m³, 20 ppm - STEL: 104 mg/m³, 40 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

- OEL Type: ACGIH - STEL: Ceiling 100 mg/m³ - Notes: A4 (H) - URT and eye irr

2-(2-butoxyethoxy)ethanol - CAS: 112-34-5

- OEL Type: EU - TWA(8h): 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

- OEL Type: ACGIH - TWA(8h): 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff

DNEL Exposure Limit Values

Copper - CAS: 7440-50-8

Worker Professional: 273 mg/kg - Consumer: 273 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Professional: 20 mg/m³ - Consumer: 20 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 137 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

ethylene glycol - CAS: 107-21-1

Worker Professional: 35 mg/m³ - Consumer: 7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 106 mg/kg - Consumer: 53 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

2-(2-butoxyethoxy)ethanol - CAS: 112-34-5

Worker Professional: 1.25 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 50.6 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 67.5 mg/m³ - Consumer: 34 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 67.5 mg/m³ - Consumer: 34 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 20 mg/kg - Consumer: 10 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Copper - CAS: 7440-50-8

Target: Soil (agricultural) - Value: 65.5 mg/kg

Target: Fresh Water - Value: 0.0078 mg/l

Target: Freshwater sediments - Value: 87 mg/kg

Target: Marine water - Value: 0.0052 mg/l

Target: Marine water sediments - Value: 676 mg/kg

ethylene glycol - CAS: 107-21-1

Target: Fresh Water - Value: 10 mg/l

Target: Marine water - Value: 1 mg/l

Target: Freshwater sediments - Value: 37 mg/kg

Target: Marine water sediments - Value: 3.7 mg/kg

Target: Microorganisms in sewage treatments - Value: 199.5 mg/l

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Target: Soil (agricultural) - Value: 1.53 mg/kg
2-(2-butoxyethoxy)ethanol - CAS: 112-34-5
Target: Fresh Water - Value: 1 mg/l
Target: Marine water - Value: 0.1 mg/l
Target: Freshwater sediments - Value: 4 mg/kg
Target: Marine water sediments - Value: 0.4 mg/kg
Target: Microorganisms in sewage treatments - Value: 200 mg/l
Target: Food chain - Value: 56 mg/kg
Target: Soil (agricultural) - Value: 0.4 mg/kg

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	liquid
Colour:	copper
Odour:	characteristic
Odour threshold:	N.A.
pH:	9
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:	1.28 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.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

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- 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
Not classified
No data available for the product
- c) serious eye damage/irritation
Not classified
No data available for the product
- d) respiratory or skin sensitisation
Not classified
No data available for the product
- 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) 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:

ethylene glycol - CAS: 107-21-1

- a) acute toxicity:
Test: LD50 - Route: Skin - Species: Mouse > 3500 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 2.5 mg/l - Duration: 6h

SECTION 12: Ecological information

12.1. Toxicity

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

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- The product is classified: Aquatic Acute 1 - H400; Aquatic Chronic 3 - H412
ethylene glycol - CAS: 107-21-1
- a) Aquatic acute toxicity:
 - Endpoint: LC50 - Species: Fish 72860 mg/l - Duration h: 96 - Notes: Pimephales promelas
 - Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48
 - b) Aquatic chronic toxicity:
 - Endpoint: NOEC - Species: Fish 15380 mg/l - Notes: Pimephales promelas
 - Endpoint: NOEC 8590 mg/l - Notes: Ceriodaphnia sp.
- 2-(2-butoxyethoxy)ethanol - CAS: 112-34-5
- 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

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

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-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 - IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 - IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- 14.3. Transport hazard class(es)
 - 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: Copper
- 14.6. Special precautions for user
 - ADR-Tunnel Restriction Code: (E)
 - IATA-Passenger Aircraft: 964
 - IATA-Cargo Aircraft: 964
 - limited quantity:

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IMDG-EMS: F-A ,S-F

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
N.A.

ADR: Special provision 375

IMDG: Special provision 37-14

IATA: Special provision A197

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

Restriction 40

Restrictions related to the substances contained:

Restriction 55

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

Product belongs to category: E1

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:

H302 Harmful if swallowed.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H373 May cause damage to organs through prolonged or repeated exposure.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

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Hazard class and hazard category	Code	Description
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
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
Aquatic Acute 1, H400	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).

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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 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.