

Safety Data Sheet

UNILEGNO

Safety Data Sheet dated 01/04/2016, version 10

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

1.1. Product identifier

Mixture identification:

Trade name: UNILEGNO

Trade code: 57028001

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

Recommended use:

Vinyl dispersion for wood

1.3. Details of the supplier of the safety data sheet

Company:

SARATOGA INT. SFORZA SPA

Via Edison 76 20090 Trezzano s/Naviglio (MI)

Tel. +39 02 445731 Fax +39 02 4452742

Competent person responsible for the safety data sheet:

trading@saratogasforza.com

1.4. Emergency telephone number

CAV - Ospedale Pediatrico "Bambino Gesù" - Roma - Tel. +39 06 68593726 (h24)

CAV - Azienda Ospedaliero-Universitaria Foggia - Foggia - Tel. +39 0881 732326 (h24)

CAV - Azienda Ospedaliera "A. Cardarelli" - Napoli - Tel. +39 081 7472870 (h24)

CAV - Policlinico "Umberto I" - Roma - Tel. +39 06 4450618 (h24)

CAV - Policlinico "A. Gemelli" - Roma - Tel. +39 06 3054343 (h24)

CAV - Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica - Firenze - Tel. +39 055 7947819(h24)

CAV - Centro Nazionale di Informazione Tossicologica - Pavia - Tel. +39 0382 24444 (h24)

CAV - Ospedale "Niguarda Ca' Granda" - Milano - Tel. +39 02 66101029 (h24)

CAV - Azienda Ospedaliera "Papa Giovanni XXIII" - Bergamo - Tel. +39 800 883300 (h24)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

EUH210 Safety data sheet available on request.

Contents:

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one CAS 2634-33-5: May produce an allergic reaction.

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1);: May produce an allergic reaction.

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

None

Precautionary statements:

P102 Keep out of reach of children.

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

Safety Data Sheet

UNILEGNO

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.

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:


$\geq 0.04\%$ - $< 0.05\%$ 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one CAS 2634-33-5

Index number: 613-088-00-6, CAS: 2634-33-5, EC: 220-120-9

 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

 4.1/A1 Aquatic Acute 1 H400


 3.1/4/Oral Acute Tox. 4 H302

$\geq 0.0014\%$ - $< 0.0015\%$ reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1);

Index number: 613-167-00-5, CAS: 55965-84-9

 3.2/1B Skin Corr. 1B H314


 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

 4.1/A1 Aquatic Acute 1 H400

 4.1/C1 Aquatic Chronic 1 H410

 3.1/3/Oral Acute Tox. 3 H301

 3.1/3/Dermal Acute Tox. 3 H311

 3.1/2/Inhal Acute Tox. 2 H330

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap. Get medical attention if irritation occurs

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

Safety Data Sheet

UNILEGNO

- None
- 4.3. Indication of any immediate medical attention and special treatment needed
- Treatment:
Treat symptomatically.
-

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:
The water jets are not adapted
- 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
- High risk of slipping due to leakage/spillage of product
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.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
- Store the product in a cool, far from heat and frost, in closed containers conform to safety standards.
Don't work into apparatus or emptied containers without reclaiming
Emergency shower and eye wash facility are advisable
Keep away from food, drink and feed.
Incompatible materials:
None in particular. See also section 10
Instructions as regards storage premises:
Adequately ventilated premises.

Safety Data Sheet

UNILEGNO

7.3. Specific end use(s)
None in particular

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

Individual protection devices vary according to the possible exposure and danger of work conditions. The type and duration of individual protection devices will nevertheless vary according to type of use and handling required.

Eye protection:

It is a good industrial hygiene practice to minimize eye contact.

Eye glasses.

If necessary, refer to norm UNI-EN 166

Protection for skin:

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be certified with the respective supplier.

Wear protective equipment

If necessary, refer to norm UNI-EN 465/466/467

Protection for hands:

It is a good industrial hygiene practice to minimize skin contact

Protective gloves resistant to chemicals

If necessary, refer to norm UNI-EN 374.

Respiratory protection:

Respiratory protection in case of aerosol or mist formation. Short term: filter apparatus, filter A

Thermal Hazards:

None

Environmental exposure controls:

Give adequate ventilation to the premises where the product is stored and/or handled.

Ensure adequate ventilation in the workplace

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Method: | Notes: |
|------------------------|---------------------|--------------------------------------|--------|
| Appearance and colour: | Liquid, milky white | METHOD Analysis FAR 205 | -- |
| Odour: | Slightly pungent | -- | -- |
| Odour threshold: | N.A. | -- | -- |
| pH: | 4 | ANALISYS METHOD FAR ML003 (ASTM E70- | -- |

Safety Data Sheet

UNILEGNO

| | | UNI 8490 (Part IV) | |
|---|--------------------------------|---|----|
| Melting point / freezing point: | N.A. | -- | -- |
| Initial boiling point and boiling range: | ~ 100°C | -- | -- |
| Flash point: | Not applicable °C | -- | -- |
| Evaporation rate: | N.A. | -- | -- |
| Solid/gas flammability: | N.A. | -- | -- |
| Upper/lower flammability or explosive limits: | N.A. | -- | -- |
| Vapour pressure: | ~ 31,6hPa (25°) | -- | -- |
| Vapour density: | N.A. | -- | -- |
| Relative density: | 1.11 kg/dm ³ (20°C) | ANALISYS METHOD FAR ML103 (ASTM D 891) | -- |
| Solubility in water: | Redispersible | -- | -- |
| Solubility in oil: | N.A. | -- | -- |
| Partition coefficient (n-octanol/water): | N.A. | -- | -- |
| Auto-ignition temperature: | N.A. | -- | -- |
| Decomposition temperature: | N.A. | -- | -- |
| Viscosity: | 15000 mPa s 20°C | ANALISYS METHOD FAR ML002 (UNI 8490 Part III, UNI 9056) | -- |
| Explosive properties: | N.A. | -- | -- |
| Oxidizing properties: | N.A. | -- | -- |

9.2. Other information

| Properties | Value | Method: | Notes: |
|--------------------------------------|--------------|---------|--------|
| Miscibility: | N.A. | -- | -- |
| Fat Solubility: | N.A. | -- | -- |
| Conductivity: | N.A. | -- | -- |
| Substance Groups relevant properties | Not Relevant | -- | -- |

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

oxidants

10.4. Conditions to avoid

Safety Data Sheet

UNILEGNO

- oxidants
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
Evaporated the aqueous phase, it remains dry polymer that is combustible and therefore are formed by thermal decomposition evolve toxic, irritant and flammable.
None.

SECTION 11: Toxicological information

In the normal industrial practice and with a good observation of standard safety and hygiene measures, no harmful effects are foreseeable to people.

11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

N.A.

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
No data available for the mixture.

Aquatic toxicity: the preparation is not as dangerous to the aquatic environment based on components

N.A.

12.2. Persistence and degradability

TERMOVIL 53P3

Biodegradability: Assessment on the basis of the polymer components. It is expected that this water insoluble polymer substance is inert in the environment. Photochemical degradation is to be expected if exposed to the sun's rays. Degradation not appreciable
- Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.

12.3. Bioaccumulative potential

TERMOVIL 53P3

Bioaccumulation: Assessment on the basis of the polymer components. Due to the high molecular weight of this material (molecular weight >1000) no bio-concentration is expected. - Test: N.A. N.A. - Duration: N.A. - Notes: N.A.

12.4. Mobility in soil

TERMOVIL 53P3

Mobility in soil: Regarding the earth, the product is expected to remain in the soil - Test: N.A. N.A. - Duration: N.A. - Notes: N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

Safety Data Sheet

UNILEGNO

- 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.
European catalogue of waste (EWC): Operate in agreement with the effective dispositions.
For manipulation of residuals use the precautions indicated in par. (7) and (8).
Do not dump the product in watercourses, on the ground or in the sewerage system.
Containers should be cleaned by appropriate methods and re-used, if possible.

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
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
- 14.6. Special precautions for user
N.A.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No

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)
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 40
Restrictions related to the substances contained:
No restriction.
None
Where applicable, refer to the following regulatory provisions :

Safety Data Sheet

UNILEGNO

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

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

N.A.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Text of phrases referred to under heading 3:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H330 Fatal if inhaled.

Paragraphs modified from the previous revision: ALL SECTIONS

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.

Safety Data Sheet

UNILEGNO

| | |
|---------|---|
| LC50: | Lethal concentration, for 50 percent of test population. |
| LD50: | Lethal dose, for 50 percent of test population. |
| LTE: | Long-term exposure. |
| PNEC: | Predicted No Effect Concentration. |
| RID: | Regulation Concerning the International Transport of Dangerous Goods by Rail. |
| STE: | Short-term exposure. |
| STEL: | Short Term Exposure limit. |
| STOT: | Specific Target Organ Toxicity. |
| TLV: | Threshold Limiting Value. |
| TWATLV: | Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard). |
| WGK: | German Water Hazard Class. |