

**VERVIT S.r.l.****D 310**

Revision n: 1  
Issuing date: 10.04.19  
Revision date: 24.09.2024

## Information sheet

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier:** D 310

**1.2 Relevant identified uses of the substance or mixture and uses advised against:** Polyvinyl acetate homopolymer based adhesive modified in water dispersion.

**1.3 Details of the supplier of the safety data sheet:**

**VERVIT s.r.l.**  
Via Fornaci, 8  
38068 ROVERETO (TN)  
Tel.: +39 0464 481900  
[www.vervit.it](http://www.vervit.it)  
[vervit@vervit.it](mailto:vervit@vervit.it)

**1.4 Emergency telephone number:**

For urgent information contact +39 0464 481900

### SECTION 2. HAZARDS IDENTIFICATION

**2.1 Substance or mixture classification:**

The product is not classified as dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments). However, the product, containing dangerous substances in concentrations such as to be declared in section 3, requires a safety data sheet in compliance with the provisions of Regulation (EC) 1907/2006 and subsequent amendments.

**2.2 Label elements:**

Hazard labeling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

**hazard statements:** - - -

**Precautionary statements:** - - -

**Additional information:**

EUH210 Safety data sheet available on request.

EUH208 Contains: Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H isothiazol-3-one [EC no. 220-239-6] (3: 1)

It can cause an allergic reaction.

**2.3 Other dangers:**

Based on available data, the product does not contain PBT or vPvB substances in a percentage higher than 0.1%.

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| Identification                                            | Chemical name / Classification                                                                                               |                                                                                                                                                       | Perc. %               |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| CAS: 55965-84-9<br>EC: - 611-341-5<br>Index: 613-167-00-5 | Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3: 1) |                                                                                                                                                       | >= 0,00015; < 0,0015% |
|                                                           | Regulations 1272/2008                                                                                                        | Acute Tox. 1 H330, Acute Tox. 2 H310, Acute Tox. 3 H301, Skin Corr. 1B H314, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1 |                       |
|                                                           | Specific concentration limits                                                                                                | Skin Corr. 1B; H314: C > 0,6 % Skin Irrit. 2; H315: 0,06 % < C < 0,6 % Skin Sens. 1; H317: C > 0,0015 % Eye Irrit. 2; H319: 0,06 % < C < 0,6 %        |                       |

Note: Upper range value excluded

The full text of the hazard statements (H) is given in section 16 of the sheet.

**SECTION 4. FIRST AID MEASURES****4.1 Description of first aid measures:**

EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 30/60 minutes, opening the eyelids well. Consult a doctor if the problem persists.

SKIN: Take off contaminated clothes. Take a shower immediately. Call a doctor immediately. To wash contaminated clothing before reuse.

INHALATION: Take the person to fresh air. If breathing stops, give artificial respiration. Call a doctor immediately.

INGESTION: Give water to drink as much as possible. See a doctor immediately. Do not induce vomiting unless specifically authorized by your doctor.

**4.2 Most important symptoms and effects, both acute and delayed:**

No specific information is known about the symptoms and effects caused by the product.

For symptoms and effects due to the contained substances, see chap. 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

information not available.

**SECTION 5. FIRE FIGHTING MEASURES****5.1 Fire fighting:**

SUITABLE EXTINGUISHING MEDIA

The extinguishing media are the traditional ones: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING MEDIA

No one in particular.

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**5.2 Special hazards arising from the substance or mixture:**

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF A FIRE

Avoid breathing combustion products.

**5.3 Recommendations for firefighters:****GENERAL INFORMATION**

Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous for health. Always wear complete fire protection equipment.

Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

**ADDITIONAL INFORMATION**

Operate according to your evacuation plan, with suitable clothing and specific protective devices.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures:**

Stop the leak if there is no danger.

Wear appropriate protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of the skin, eyes and personal clothing. These indications are valid both for workers and for emergency interventions

**6.2 Environmental precautions:**

Prevent the product from entering drains, surface waters, groundwater.

**6.3 Methods and materials for containment and cleaning up:**

Aspirate the spilled product in a suitable container. Assess the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.

Provide sufficient ventilation of the place affected by the leak. Check for any incompatibilities for the material of the containers in section 7. The disposal of the contaminated material must be carried out in accordance with the provisions of point 13.

**6.4 Reference to other sections:**

Any information regarding personal protection and disposal is given in sections 8 and 13.

**SECTION 7. HANDLING AND STORAGE****7.1 Precautions for Safe Handling:**

Handle the product after consulting all the other sections of this safety data sheet. Avoid dispersal of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering areas where you eat.

**7.2 Conditions for safe storage, including any incompatibilities:**

Keep only in the original container. Keep containers closed, in a well-ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, checking section 10.

**7.3 Specific end uses:**

Refer to subsection 1.2 for specific uses of the product

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information not available.

**8.2 Exposure controls:**

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local extraction. For the choice of personal protective equipment, refer to your chemical risk assessment. The individual protection devices must bear the CE marking which certifies their compliance with the standards in force.

**HAND PROTECTION**

Protect your hands with category III work gloves (ref. standard EN 374).

For the final choice of the material of the work gloves, the following must be considered: compatibility, degradation, breaking time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it cannot be foreseen. The gloves have a wear time that depends on the duration and method of use.

**PROTECTION OF THE SKIN**

Wear work clothes with long sleeves and CE marked safety shoes for professional use (ref. Directive 89/686 / EEC and standard EN ISO 20344) refer to your risk assessment. Wash with soap and water after removing protective clothing

**EYE PROTECTION**

It is advisable to wear airtight protective goggles (ref. Standard EN 166).

**RESPIRATORY PROTECTION**

In case of exceeding the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product, for the choice of the suitable PPE refer to your own chemical risk assessment.

For the correct choice of the respiratory protection device, refer to EN 529.

**ENVIRONMENTAL EXPOSURE CONTROLS.**

Emissions from production processes, including those from ventilation equipment, should be checked for compliance with environmental protection legislation.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties:** For complete information, see the product data sheet.

|                                    |                    |
|------------------------------------|--------------------|
| Appearance                         | Viscous liquid     |
| Color                              | White              |
| Odour                              | slight.            |
| Odour threshold.                   | Not available.     |
| pH.                                | 2.5 - 3            |
| Melting point/freezing point       | <0°C               |
| Initial boiling point.             | >100°C             |
| Boiling range.                     | Not available.     |
| Flash point.                       | Not available.     |
| Evaporation Rate                   | Not available.     |
| Flammability of solids and gases   | Not available.     |
| Lower inflammability limit         | Not available.     |
| Upper inflammability limit.        | Not available.     |
| Lower explosive limit.             | Not available.     |
| Upper explosive limit.             | Not available.     |
| Vapour pressure.                   | 12381 Pa a 20°C    |
| Relative Vapour density (Aria = 1) | Not available.     |
| Density                            | 1100 kg/m3 a 20°C  |
| Solubility                         | Miscible in water. |

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Partition coefficient: n-octanol/water:  
Auto-ignition temperature  
Decomposition temperature.  
Viscosity  
Explosive properties

Not relevant, the product is a dispersion.

Not available.

Not available..

15.000 mPas @ 20°C

Not applicable (absence of requirements related to the presence of atoms and / or chemical bonds associated with oxidizing properties in the molecules of the components in accordance with the provisions of Annex I, Part 2, 2.13.4 of reg. (EC) 1272/2008 - CLP).

Oxidising properties

Not applicable (absence of requirements related to the presence of atoms and / or chemical bonds associated with oxidizing properties in the molecules of the components in accordance with the provisions of Annex I, Part 2, 2.13.4 of reg. (EC) 1272/2008 - CLP).

## 9.2 Other information

## SECTION 10. STABILITY AND REACTIVITY'

### 10.1 Reactivity:

There are no particular dangers of reaction with other substances under normal conditions of use.

### 10.2 Chemical stability:

The product is stable under normal conditions of use and storage.

### 10.3 Possibility of dangerous reactions:

Under normal conditions of use and storage, hazardous reactions are not foreseeable.

### 10.4 Conditions to avoid:

None in particular. However, follow the usual precautions against chemicals

### 10.5 Materials to avoid:

Information not available.

### 10.6 Hazardous decomposition products:

Information not available.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

In the absence of experimental toxicological data on the product itself, the possible health hazards of the product have been assessed on the basis of the properties of the substances contained, according to the criteria established by the reference legislation for classification. Consider therefore the concentration of the single dangerous substances eventually mentioned in sect. 3, to evaluate the toxicological effects deriving from exposure to the product.

#### ACUTE TOXICITY.

LC50 (Inhalation - vapors) of the mixture: Not classified (no relevant component).

LC50 (Inhalation - mists / dusts) of the mixture: Not classified (no relevant component).

LD50 (Oral) of the mixture: Not classified (no relevant component).

LD50 (Dermal) of the mixture: Not classified (no relevant component).

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**SKIN CORROSION / SKIN IRRITATION.**

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and s.m.i., the product is not classified for this hazard class.

**SERIOUS EYE DAMAGE / EYE IRRITATION.**

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and s.m.i., the product is not classified for this hazard class.

**RESPIRATORY OR SKIN AWARENESS.**

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and s.m.i., the product is not classified for this hazard class.

**MUTAGENICITY ON GERMINAL CELLS.**

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and s.m.i., the product is not classified for this hazard class.

**CARCINOGENICITY.**

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and s.m.i., the product is not classified for this hazard class.

**REPRODUCTION TOXICITY.**

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and s.m.i., the product is not classified for this hazard class.

**SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - SINGLE EXPOSURE.**

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and s.m.i., the product is not classified for this hazard class.

**SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - REPEATED EXPOSURE.**

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and s.m.i., the product is not classified for this hazard class.

**ASPIRATION HAZARD.**

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and s.m.i., the product is not classified for this hazard class.

**SECTION 12. ECOLOGICAL INFORMATION**

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached water courses or sewers or if it has contaminated the soil or vegetation.

**12.1 Toxicity:**

1,2-benzisotiazol-3(2H)-one

LC50 - Fish. 2.15 mg/l

NOEC Chronic - Algae / Aquatic Plants. 0,0403 mg/L 72h

EC50 Chronic Algae / Aquatic Plants. 0,011 mg/L 72h

Mixture of: 5-chloro-2-methyl- 2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H- isothiazol-3-one [EC no. 220- 239-6] (3: 1)

LC50 - Fish. 0.19 mg / l / 96h Oncorhynchus mykiss

EC50 - Crustaceans. 0.16 mg / l / 48h Daphnia magna

EC50 - Algae / Aquatic Plants. 0.027 mg / l / 72h Pseudokirchneriella subcapitata

NOEC Chronic Pisces. 0.05 mg / l Oncorhynchus mykiss, flow, 14d

NOEC Chronic Crustaceans. 0.1 mg / l Daphnia magna, continuous flow 21d

**12.2 Persistence and degradability:**

Informazioni non disponibili

**12.3 Bioaccumulative potential:**

Information not available.

**12.4 Mobility in soil:**

Information not available.

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In base ai dati disponibili, il prodotto non contiene sostanze PBT o vPvB in percentuale superiore a 0,1%.

**12.6 Other adverse effects:**

Information not available.

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods:**

Reuse if possible. Product residues are to be considered special non-hazardous waste.

Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations.

**CONTAMINATED PACKAGING**

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

|                    | CER    | Description                                                                |
|--------------------|--------|----------------------------------------------------------------------------|
| empty packing      | 150100 | packaging (including urban packaging waste subject to separate collection) |
| liquid product     | 080410 | waste adhesives and sealants, other than those mentioned in 08 04 09       |
| solidified product | 080410 | waste adhesives and sealants, other than those mentioned in 08 04 09       |

**SECTION 14. TRANSPORT INFORMATION**

The product is not to be considered dangerous according to the current provisions on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

**14.1. UN number**

Not applicable

**14.2. UN shipping name**

Not applicable

**14.3. Transport hazard class (es)**

Not applicable

**14.4. Packing group**

Not applicable

**14.5. Environmental hazards**

Not applicable

**14.6. Special precautions for users**

Not applicable

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

Not relevant information



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## SECTION 15. REGULATORY ORDER

### 15.1 Health, safety and environmental standards and legislation specific for the substance or mixture:

Seveso category-directive 2012/18/CE None.

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006.

None.

Substances in Candidate List (Art. 59 REACH).

based on available data, the product does not contain SVHC substances in a percentage higher than 0.1%

Substances subject to authorization (Annex XIV REACH).

None.

Substances subject to export notification obligation Reg. (CE) 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Sanitary checks.

Not applicable

### 15.2 Chemical safety assessment:

A chemical safety assessment has not been prepared for the mixture and the substances it contains.

## SECTION 16. OTHER INFORMATION

### LEGEND:

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Chemical Abstract Service number
- EC50: Concentration that gives effect to 50% of the test population
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Global harmonized system for the classification and labeling of chemical products
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the test population
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration



- PEL: Predictable level of exposure
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded during any time of the work exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Aquatic hazard class (Germany).

**GENERAL BIBLIOGRAPHY:**

1. Regulation (EU) 1907/2006 of the European Parliament (REACH)
  2. Regulation (EU) 1272/2008 of the European Parliament (CLP)
  3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
  4. Regulation (EU) 453/2010 of the European Parliament
  5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
  6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
  7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
  8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
  9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
  10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
  11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
  12. Regulation (EU) 2016/1179 (IX Atp. CLP)
  13. Regulation (EU) 2017/776 (X Atp. CLP)
  14. Regulation (EU) 2018/669 (XI Atp. CLP)
  15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
  16. Regulation (EU) 2019/521 (XII Atp. CLP)
  17. Regulation (EU) 2019/1148
  18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
  19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
  20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
  21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
  22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
  23. Delegated Regulation (UE) 2023/707
  24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
  25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - Sito Web IFA GESTIS
  - Sito Web Agenzia ECHA
  - Banca dati di modelli di SDS di sostanze chimiche - Ministero della Salute e Istituto Superiore di Sanità

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

**CALCULATION METHODS FOR CLASSIFICATION**

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.