



VOLTECO Spa

PLASTIVO 180

Liquid component

Revision n. 8.0

Revision date 27/08/2020

Printed on 27/08/2020

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SECTION 1. Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Name **PLASTIVO 180 Liquid component**

1.2. Identified relevant uses of the substance or mixture and non-recommended uses

Description/Use **Adhesive and bonding agent for building material**

1.3. Supplier information of the safety data sheet

Company Name **VOLTECO Spa**
Address **Via delle Industrie, 47**
District and Country **31050 Ponzano Veneto (TV) - IT**
Telephone **+39 0422 9663**
Fax **+39 0422 966401**
e-mail address of the person in charge of the safety data sheet **volteco@volteco.it**

1.4. Emergency telephone number

For urgent enquiries, please contact **+39 0422 9663**

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Regulation EC No. 1272/2008 as amended

Non-hazardous substance or mixture according to EC Regulation No. 1272/2008.

2.2 Label elements

Special labelling

Special labelling According to EC Regulation no. 1272/2008 (CLP), the product does not need to be labelled.
EUH208 May cause an allergic reaction.
Contains mixture:
5-cloro-2-metil-2H-isotiazol-3-one [EC: 247-500-7] / 2-metil-2H-isotiazol-3-one [EC: 220-239-6] (3:1)
1,2-benzisotiazol-3(2H)-one.

2.3 Other hazards

Results of the PBT and vPvB evaluation The substances contained in the mixture do not meet the criteria for the identification of PBT and vPvB substances, in accordance with Annex XIII of the REACH Regulation

SECTION 3. Composition/information on ingredients

3.1 Substance/Mixture

Hazardous components according to EC Regulation No. 1272/2008

Name	-	Conc.	Classification 1272/2008/EC
1,2-benzisotiazol-3(2H)-one	CAS: 2634-33-5 EC: 220-120-9 INDEX: 613-088-00-6	< 0.05%	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1 H317 Aquatic Acute 1 H400 (M=1) H411
Mixture 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)	CAS: 55965-84-9 INDEX: 613-167-00-5 No. REACH:01-2120764691-48-XXXX	< 0.0015%	Acute Tox. 3 H301 Acute Tox. 2 H310 Acute Tox. 2 H330 Skin Corr. 1B H314 Eye Dam. 1 H318 Skin Sens. 1 H317 Aquatic Acute 1 H400 (M=100) Aquatic Chronic 1 H410 (M=10)

SECTION 4. First aid measures

4.1 Description of the first aid measures



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General information

In case of accident or illness, immediately call a doctor (show the label if possible).

Contact with skin

Wash thoroughly with soap and water. In case of skin irritation, seek medical attention.

Contact with eyes

Rinse thoroughly for several minutes. Seek medical attention if the eye irritation persists.

Swallowing

In case of symptoms or in doubt, call a doctor.

Inhalation

No special measures is required.

4.2 Main symptoms and effects, both acute and delayed**Symptoms**

MAY CAUSE SENSITISATION BY SKIN CONTACT.

4.3 Indication of any immediate medical attention and special treatment needed

Elementary rescue, decontamination, symptomatic treatment.

SECTION 5. Fire-fighting measures**5.1 Extinguishing agents****Suitable extinguishing agents**

Carbon dioxide (CO₂), powder fire extinguisher, spraying with water
in case of serious and extensive fire: Spray with water, alcohol-resistant foam.
Coordinate the safety measures to extinguish the flames in the environment.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products may be formed at high temperatures.

Carbon oxides, gases and vapours potentially dangerous to health may be released in the event of fire.

5.3 Recommendations for those in charge of putting out fires

Use a hermetic protective mask

SECTION 6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment.

6.2 Environmental precautions

Prevent the product from entering the drains, surface water, ground water and confined areas.

6.3 Methods and materials for containment and cleaning up

Collect with absorbent substances (sand, diatomaceous earth, acid binder and a universal binding agent).

Treat the removed material as described in the "disposal" paragraph.

6.4 Reference to other sections

Also see Paragraph 7,8 and 13.

SECTION 7. Handling and storage**7.1 Precautions for safe handling**

Do not eat or drink whilst working.

Avoid contact with skin.

7.2 Conditions for safe storage, including any incompatibility

Protect against frost.

TRGS 510 - 12 - Non-flammable liquids

7.3 Specific end uses

No particular use.

SECTION 8. Exposure control/personal protection**8.1 Control parameters**

The product does not contain significant quantities of substances, the limit values of which must be kept under control in the workplace.

8.2 Exposure controls**Respiratory protection**

Not necessary for normal use.

Hand protection

Wear suitable gloves.

Suitable materials

NBR (Nitrile rubber)

Thickness material

> = 0.4

Penetration time

> 480



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Eye protection

Wear safety goggles to protect yourself from splashes of liquid.

Skin protection

Use suitable protective clothing.

General safety and hygiene measures for the work environment

Avoid contact with skin.

SECTION 9. Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Description	Values
Physical state	Liquid
Colour	White
pH	7-9
Melting or freezing point	approx. 0°C
Boiling range	100°C
Flash point	Not applicable.
Flammability of solids and gases	Not applicable.
Evaporation rate	Not determined
Lower explosivity limit	Not determined
Upper explosivity limit	Not determined
Vapour pressure	2.3 kPa (20 °C)
Vapour density	Not determined
Density	1-1.1 Kg/ l(20 °C) (DIN EN ISO 2811-1)
Solubility	Mixable with water
Partition coefficient n-octanol/water	Not determined
Viscosity	1500-4500 mPas (23 °C)
Explosive properties	Not explosive
Oxidising properties	Not applicable.
Decomposition temperature	Not determined
Auto-ignition temperature	Not applicable.

9.2 Other information

Ignition temperature: Not determined

Solid content: 56-58 %

Type of measurement: DIN EN ISO 3251

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

Not available.

10.4 Conditions to be avoided

Not available.

10.5 Incompatible materials

Not available.

10.6 Hazardous decomposition products

Not available.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Hazardous ingredients

Source: 100 – supplier/own data/literatur



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Name of product/ingredient	Test type	Species	Dose	Type
1.2 benzisotiazol-3(2H)-one	LD50	Rat	1193 mg/kg	Oral
	LD50	Rat	4115 mg/kg	Dermal
Mixture 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)	LD50	Rat	66 mg/kg	Oral
	LD50	Rat	141 mg/kg	Dermal
	LC50		0.17 mg/l	4h inhalation for dusts and mists

Sub-acute, sub-chronic, chronic toxicity

No data available.

Skin

Non-irritating.

Eyes

Non-irritating.

Respiratory tracts

Non-irritating.

Sensitisation

MAY CAUSE SENSITISATION BY SKIN CONTACT.

Carcinogenicity

No data available.

Mutagenicity

No data available.

Toxic for reproduction

No data available.

Corrosive action

Non-corrosive.

SECTION 12. Ecological information

12.1 Toxicity

Use according to good work practices, avoiding release of the product in the environment.

Source: 100 – supplier/own data/literatur

Name of product/ingredient	Test type	Species	Exposure	Dose	Assessment method
1.2 benzisotiazol-3(2H)-one	LC50	Oncorhynchus mykiss (Rainbow trout)	96 h	2.18 mg/l	-
	EC50	Daphnia Magna (Large water flea), 48h	48 h	2.94 mg/l	-
	ErC50	Pseudokirchneriella subcapitata	72 h	0.11 mg/l	-
Mixture 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)	NOEC	Skeletonema costatum	72 h	0.027 mg/l	-
	LC50	Oncorhynchus mykiss (Rainbow trout)	96 h	0.188 mg/l	-
	EC50	Daphnia Magna	48 h	0.1 mg/l	-
	EC50	Selenastrum capricornutum - Algae	72 h	0.027 mg/l	-
	NOEC	Oncorhynchus mykiss (Rainbow trout)	28 gg	0.098 mg/l	OCSE 210
	NOEC	Daphnia Magna (Large water flea), 48h	21 gg	0.004 mg/l	OCSE 211
	NOEC	Pseudokirchneriella subcapitata	72 h	0.0012 mg/l	OCSE 201



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Name of product/ingredient	Test type	Species	Exposure	Dose	Assessment method
	EC50	Bacteria	3 h	7.92 mg/l	OCSE 209

12.2 Persistence and degradability

Biodegradability: No data available

12.3 Bioaccumulative potential

Information not available.

12.4 Mobility in the soil

Information not available.

12.5 Results of the PBT and vPvB evaluation

Results of the PBT and vPvB evaluation.

The substances contained in the mixture do not meet the criteria for the identification of PBT and vPvB substances, in accordance with Annex XIII of the REACH Regulation

12.6 Other adverse effects

Information not available.

SECTION 13. Disposal considerations

13.1 Waste processing methods

Do not release into the environment.

Dispose of it in compliance with the European Directives on waste or hazardous waste.

According to the European waste catalogue, the waste codes are not specific to the product, but specific to the application.

The waste codes must be assigned by the user based on the application that this product was used for.

13.2 Contaminated packaging

Empty containers should be transported to an authorised recycling or disposal site.

SECTION 14. Transport information

-	ADR/RID - ADN/RID	IMDG	IATA
14.1 UN number	Not applicable.	Not applicable.	Not applicable.
14.2 UN Shipping name	Not dangerous	Not dangerous	Not dangerous
14.3 Hazard classes	Not applicable.	Not applicable.	Not applicable.
14.4 Packaging groups	Not applicable.	Not applicable.	Not applicable.
14.5 Hazardous for the environment Marine Pollutant	Not applicable.	Not applicable.	Not applicable.
14.6 Special precautions	Not applicable.	Not applicable.	Not applicable.
14.7 Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	Not applicable.	Not applicable.

SECTION 15. Regulatory information

15.1 Specific standards and regulations on health, safety and environment for the substance or mixture

Work limit: Comply with the limits on use according to directive 94/33/EC on the protection of young people at work

Water Hazard Class: 1

Observations: Classification according to AwSV

15.2 Chemical safety assessment

Not applicable.

SECTION 16. Other information

Text of hazard (H) phrases mentioned in Sections 2-3 of the data sheet:

H301	Acute Tox. 3	Toxic if swallowed.
H302	Acute Tox. 4	Harmful if swallowed
H310	Acute Tox. 2	Lethal in contact with skin, Category 2
H314	Skin Corr. 1B	Causes severe skin burns and eye damage



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H315	Skin Irrit. 2	Causes skin irritation, Category 2
H317	Skin Sens. 1	May cause an allergic skin reaction
H318	Eye Dam. 1	Causes serious eye damage, Category 1
H330	Acute Tox. 2	Lethal if inhaled
H400	Aquatic Acute 1	Very toxic to aquatic organisms
H410	Aquatic Chronic 1	Very toxic to aquatic life with long-term effects
H411	Aquatic Chronic 2	Toxic to aquatic organisms with long-term effects
EUH208		May cause an allergic reaction. Contains mixture: 5-cloro-2-metil-2H-isotiazol-3-one [EC: 247-500-7] 2-metil-2H-isotiazol-3-one [EC: 220-239-6] (3:1) 1,2-benzisotiazol-3(2H)-one.
EUH210		Safety data sheet available on request.

SAFETY DATA SHEET ON VOLUNTARY BASIS

The product is not classified as hazardous.

A safety data sheet is not required by the regulations in force.

We provide, on a voluntary basis, a safety data sheet compiled in accordance with EC Regulation No. 1907/2006 (REACH).

Abbreviations and acronyms

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS NUMBER: Chemical Abstract Service NUMBER
- CE50: Concentration that causes effect to 50% of the population subjected to a test
- CE NUMBER: Identification NUMBER in ESIS (European archive of existing substances)
- CLP: Classification, Labelling, Packaging (EC Regulation No. 1272/2008)
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Global harmonised system to classify and label Chemical products
- IATA DGR: Regulations to transport Dangerous Goods of the International Air transport Association
- IC50: Concentration that immobilises 50% of the population subjected to a test
- IMDG: International maritime code for transport of Dangerous Goods
- IMO: International maritime Organization
- INDEX NUMBER: INDEX NUMBER of Annex VI of the CLP
- LC50: Lethal concentration for 50% of the test population
- LD50: Lethal dose for 50% of the test population
- OEL: EU occupational exposure limit value
- PBT: Persistent bioaccumulative and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable exposure level
- PNEC: Predicted no-effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
- TLV: occupational exposure threshold limit value
- TLV CEILING: concentration that must Not be exceeded during any time of working exposure
- TWA STEL: Short time exposure limit
- TWA: 8-hour time-weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very Persistent and Very bioaccumulative according to REACH

GENERAL BIBLIOGRAPHY

- EC Regulation No. 1907/2006 of the European Parliament (REACH)
- EC Regulation No. 1272/2008 of the European Parliament (CLP)
- EC Regulation No. 790/2009 of the European Parliament (I Atp. CLP)
- EC Regulation No. 453/2010 of the European Parliament
- EC Regulation No. 286/2011 of the European Parliament (II Atp. CLP)
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- Niosh - Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials - 7 Ed., 1989



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Note for the user

The information contained in this data sheet is based on the knowledge available to us at the date of the last version.

The user must verify the suitability and completeness of the information according to each specific use of the product.

This document must not be considered a guarantee of any specific property of the product.

Since product use is not subject to our direct control, the user is obliged, under his own responsibility, to comply with the health and safety regulations and laws in force. We accept no responsibility for improper use.

We accept no responsibility for improper use.

Provide adequate training to people in charge of using chemical products.