



VOLTECO Spa

TRIPLEZERO-T

Revision n. 3.0

Revision date 04/03/2021

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

1.1 Product identifier

Name **TRIPLEZERO-T**

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

Description/Use **Water repellent cream for the building industry**

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

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

2.2 Label elements

Classification according to EC no. 1272/2008

Not necessity labelling GHS.

Hazard statements

EUH208 Contains Chloromethylisothiazolinone and Methylisothiazolinone (3:1)
May cause an allergic reaction.

EUH210 Safety data sheet available on request.

Contains a 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one as preservative for products during storage according to regulation (EC) No 528/2012 art. 58(3).

2.3 Other hazards

Inhaling spray can cause damage to one's health.

The product hydrolyses, thereby forming ethanol (CAS 64-17-5).

Ethanol is classified concerning both physical and health hazards.

The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.

SECTION 3. Composition/information on ingredients

3.1 Substance/Mixture

Not applicable.

3.2 Mixture

3.2.1 Chemical name

Alkoxy silanes + siloxane + water + solvent

Hazardous component	CAS	EC	%	Classification
Aliphatic hydrocarbons mixture Reg. REACH 01-2119456377-30	Not applicable.	927-676-8	>40 - <50	Asp. Tox. 1, H304 EUH066
Aliphatic hydrocarbons mixture Reg. REACH 01-2119456377-30 Reg. REACH 01-2119456810-40	64742-48-9	265-150-3	>10 - <15	Asp. Tox. 1, H304 EUH066

3.2.2 Hazardous ingredients

This product not contains hazardous ingredients exceed the threshold value(s).

SECTION 4. First aid measures



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4.1 Description of the first aid measures

General information	In case of accident or illness, call a doctor and show him/her the safety data sheet.
Contact with skin	Wash thoroughly with soap and water. In case of skin irritation, seek medical attention. In case of evident skin changes or disorders consult your doctor (if possible show him the label or the safety data sheet).
Contact with eyes	Wash with plenty of water. If irritation persists, seek medical attention.
Swallowing	Make the patient drink plenty of water in small doses. Do not induce vomiting.
Inhalation	Material cannot be inhaled under normal conditions.

4.2 Main symptoms and effects, both acute and delayed

Important information may be found in other parts of this chapter.

4.3 Indication of any immediate medical attention and special treatment needed

Observe additional toxicological information in Paragraph 11.

SECTION 5. Fire-fighting measures

5.1 Extinguishing agents

Suitable extinguishing agents	Not expected
Unsuitable extinguishing agents	Not expected

5.2 Special hazards arising from the substance or mixture

In case of fire possible formation of dangerous fumes and gases.

Exposure to combustion products can be a hazard on health.

Dangerous products in case of fire

Carbon oxides, silica oxides, nitrogen oxides, incomplete combustion hydrocarbon products, toxic and very toxic fumes.

5.3 Recommendations for those in charge of putting out fires

Wear protective equipment.

Use a breathing apparatus that is suitable for the environmental conditions of the air.

General information	The product on its own does not burn. Regolare le misure antincendio in base all'incendio dell'ambiente circostante.
Protective clothing	Use an independent anti-gas device. Keep unequipped persons away.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Signal the area.

Wear personal protective equipment (see Paragraph 8).

Keep unequipped persons away.

Danger of slipping due to spillage of material.

Don't walk on spilled product.

6.2 Environmental precautions

Do not let it flow into the drains or waters.

Stop the flow of material, if this is possible without risk.

Stop the spillage of liquid with suitable material (e.g. soil).

Contain contaminated water/extinguishing water.

Eliminate in containers marked in accordance with the regulations in force.

Inform the relevant authorities if the product has caused environmental pollution (drains, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Draw mechanically and dispose of according to regulations.

Do not flush with water.

In small amounts of the product:

Collect with neutral (no alkaline/no acid) and absorbent material, for example diatomaceous earth, and dispose of according to regulations.

In large quantities:

Liquids can be collected with aspiration equipment or pumps.

If flammable, only use pneumatic electrical equipment or according to regulations in force.

Eliminate remaining slippery materials with diluted detergent/soap or biodegradable detergents.

Danger of slipperiness on spilled products, such as silicone oils.

To improve adherence, spread sands or inert and granular materials.



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Additional instructions

Vacuum the vapours. Eliminate all sources of ignition. Observe explosion-proof protection. Observe information in Section 7.

6.4 Reference to other sections

The important information in other chapters must be complied with.

This is particularly valid for information on personal protective equipment (Section 8) and disposal (Section 13).

SECTION 7. Handling and storage

7.1 Precautions for safe handling

General information

Mix well before use.

Information for safe product handling

Avoid generation of aerosol. In the case of spray formation, special protective measures must be adopted (suction, respiratory protection). The spilled substance poses a serious risk of slipping. Observe information in Paragraph 8. Keep away from incompatible materials in Section 10.

Precautions against fire and explosion

The product may release ethanol. In enclosed spaces, vapours can form mixtures with air and in the presence of ignition sources can cause an explosion even in empty, uncleaned containers. Keep away from sources of ignition and no smoking. Take precautionary measures against electrostatic discharges. Cool hazardous containers with water.

7.2 Conditions for safe storage, including any incompatibility

Requirements for storage environments and containers

Observe the local regulations.

Instructions for common storage

Observe the local regulations.

Additional information on storage conditions

Store the product in a cool and dry place. Protect from sunlight. Protect from frost. Keep the recipients in a well-ventilated area.

Minimum temperature during storage and transport

1°C

Maximum temperature during storage and transport

35°C

7.3 Specific end uses

Information not available.

SECTION 8. Exposure control/personal protection

8.1 Control parameters

Limit values of air quality in the workplace:

Product	CAS	Type	mg/cm ³	ppm	E/A	Fibre/m ³
Ethanol	64-17-5	TLV-IT		1000,0		
Aerosol - inhalable fraction			10,0			

The aerosol limit specified is a recommendation should aerosol be formed during processing.

8.2 Exposure controls

8.2.1 Occupational exposure checks

General protection and hygiene measures:

Observe general hygiene measures for the use of chemical substances.

Do not breathe dust/fumes/gases/mist/vapours/aerosols.

Only use with a sufficient ventilation.

Do not eat, drink or smoke during use.

Hand protection

It's advisable use of protective gloves.

Recommended material for the protective gloves: butyl rubber:

Thickness material: > 0.3 mm - Permeation time: > 480 min

Recommended material for the protective gloves: nitrile rubber:

Thickness material: > 0.1 mm - Permeation time: > 480 min

Observe instructions relation to permeation and penetration time defined by the manufacturer.

Moreover, it's necessary to take into consideration specific conditions of use, such as danger of cutting, abrasion and contact time. Note that due to multiple influencing factors (for ex. Temperature) the effective daily time of a protective chemical-resistant glove may be much briefer in terms of the permeation time measured by tests.



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Eye protection

Wear protective goggles.

Body protection

Protective clothing.

Respiratory protection

In case of exposure to mist, spray or aerosol, wear protective equipment for breathing and protective clothing. Protection breathing equipment: breathing apparatus with full mask according to EN136. Type of recommended filter: combined filter ABEK-2 (inorganic and organic acidic gases and vapours, amines/ammonia, particles) according to EN14387. It's necessary observe time limit and recommendations defined by the manufacturer.

Environmental exposure controls

Do not let it flow into the drains or waters.

Additional instructions for the configuration of technical systems

Observe instructions in Paragraph 7. Observe national Standards.

SECTION 9. Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Description	Values
Physical state	Liquid/Paste
Colour	Pale yellow
Odour	hydrocarbon (Solvent)
Odour threshold	Not known any data
pH	Not applicable.
Melting point / range	Not determined
Boiling point / range	Not applicable.
Flash point	65 °C
Sustained combustion	> 110 °C
Evaporation speed	Not known any data
Ignition temperature	265 °C
Vapour relative density	No indication
Lower explosivity limit	0.6 Vol- %
Upper explosivity limit	7 Vol- %
Vapour pressure	Not known any data
Density	0.848 g/cm ³ (25 °C 1013 hPa)
Relative density	0.848 g/cm ³ (25 °C 1013 hPa) (Water/4 °C=1.00)
Solubility in water	Emulsifiable
Partition coefficient n-octanol/water	Not known any data
Dynamic viscosity	Not applicable.
Molecular mass	Not applicable.

9.2 Other information

Ref. to 9.2 Solubility in water.

Explosion limits for released ethanol: 3.5 - 15 % Vol.

SECTION 10. Stability and reactivity

10.1 Reactivity

No known hazardous reaction if stored and handled as prescribed.

Important information is found in other sections of this chapter.

10.2 Chemical stability

No known hazardous reaction if stored and handled as prescribed.

Important information is found in other sections of this chapter.

10.3 Possibility of hazardous reactions

No known hazardous reaction if stored and handled as prescribed.

Important information is found in other sections of this chapter.

10.4 Conditions to be avoided

Heat, flames, sparks and other sources of ignition.



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10.5 Incompatible materials

Reacts with acid and alkali. The reaction occurs with the formation of ethanol.

10.6 Hazardous decomposition products

In case of hydrolysis: ethanol.

For the silicone found in this substance is valid: a small amounts of formaldehyde is released at temperature above 150°C.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Inhalable aerosols containing aminofunctional polysiloxanes may cause harmful effects in the lung in animal experiments.

Due to the large number of influencing parameters (e.g. amine function, degree of substitution, viscosity, composition) an estimation of the toxicological effect on the lung is not possible for untested products of this category.

In such cases exposure to inhalable aerosols must be prevented by adequate technical measures.

Acute toxicity estimate (ATE)

ATEmix (Oral): > 2000 mg/kg

Name of product/ingredient	Exposure level	Result/Effect	Type/system test	Source
Aminofunctional polydimethylsiloxane	Oral	DL50: > 2000 mg/kg	Rat	Conclusion by analogy

Skin corrosion/irritation

Name of product/ingredient	Exposure level	Result/Effect	Type/system test	Source
Aminofunctional polydimethylsiloxane		Non-irritating	Rabbit	Conclusion by analogy

Serious eye damage/Eye irritation

Name of product/ingredient	Exposure level	Result/Effect	Type/system test	Source
Aminofunctional polydimethylsiloxane		Non-irritating	Rabbit	Conclusion by analogy

Respiratory or skin sensitization

Name of product/ingredient	Exposure level	Result/Effect	Type/system test	Source
Aminofunctional polydimethylsiloxane	Epidermic	Not sensitising	Guinea pig miximisation test	Conclusion by analogy OECD 406

Germ cell mutagenicity

Name of product/ingredient	Exposure level	Result/Effect	Type/system test	Source
Aminofunctional polydimethylsiloxane		Negative	Mutation assay (in vitro) bacterial cells	Ratio analysis OECD 471

Carcinogenicity

At this final point, no toxicological experimental data are available for the overall product.

Toxic for reproduction

At this final point, no toxicological experimental data are available for the overall product.

Specific toxicity for target organs (STOT) - Single exposure

At this final point, no toxicological experimental data are available for the overall product.

Specific toxicity for target organs (STOT) - Repeated exposure

At this final point, no toxicological experimental data are available for the overall product.

Risk if inhaled

At this final point, no toxicological experimental data are available for the overall product.

Additional toxicological information

Aliphatic and naphthenic hydrocarbons:

According to literature aliphatic hydrocarbons are slightly irritating to the skin and mucuous membranes.

Degreases the skin.

Narcotic effect.

If the lungs are directly affected (e.g. by aspiration), inflammation of the lungs may occur.

The hydrolysis product (Ethanol):

Ethanol (64-17-5) is absorbed well and rapidly by all means of exposure.

It can cause irritation to the eyes and the mucous membranes, and alterations to the central nervous system, nausea and dizziness.

Chronic exposure to large quantities of ethanol can cause damage to the liver and central nervous system.

SECTION 12. Ecological information

12.1 Toxicity

At this final point, no toxicological experimental data are available for the overall product.

Name of product/ingredient	Exposure level	Result/Effect	Type/system test	Source
Aminofunctional polydimethylsiloxane		CL50: > 100 mg/l	static Rainbow trout Oncorhynchus mykiss (96 h)	Conclusion by analogy
		CE50: > 100 mg/l	static Daphnia magna (48 h)	Conclusion by analogy

12.2 Persistence and degradability

At this final point, no toxicological experimental data are available for the overall product.

Name of product/ingredient	Exposure level	Result/Effect	Type/system test	Source
Aminofunctional polydimethylsiloxane		Easily eliminated	Dissolved organic carbon	Conclusion by analogy OECD 302B

The hydrolysis product (ethanol) is easily biodegradable.

12.3 Bioaccumulative potential

Some indications are not known.

12.4 Mobility in the soil

Some indications are not known.

12.5 Results of the PBT and vPvB evaluation

No data available.

12.6 Other adverse effects

None known.

SECTION 13. Disposal considerations

13.1 Waste processing methods

Product

Recommendation:

The material that can't be reused, processed and recycled should be disposed through an authorised facility, in compliance with national and local regulations.

Based on provisions, possible methods for disposing can be incineration or dumping.

13.2 Contaminated packaging

Recommendation:

Empty packages must be clean (free of residue and condensate, cleaned with a spatula).

The packages should preferably be recycled in accordance with local/national regulations in force.

The packages that cannot be cleaned must be sent for disposal, just like the substance.

13.3 Waste code (EC)

The product has not been assigned any waste code according to European Waste Catalogue (EWC) because only the intended customer use allows the relative association.

The waste code must be determined within the EU in accordance with the disposal of waste.

-	ADR/RID - ADN/RID	IMDG	IATA
14.1 UN number	Not subject to transportation restrictions	Not subject to transportation restrictions	Not subject to transportation restrictions
14.2 UN Shipping name	-	-	-
14.3 Hazard classes	-	-	-
14.4 Packaging groups	-	-	-
14.5 Hazardous for the environment Marine Pollutant	No	No	No
14.6 Special precautions	The important information in other chapters must be complied with.	The important information in other chapters must be complied with.	The important information in other chapters must be complied with.
Further information	-	-	-
14.7 Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code	Not expected	Not expected	Not expected



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SECTION 15. Regulatory information

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

Comply with the local and national provisions.

Refer to Chapter 2 in this document for labelling information.

Directive 2012/18/EU on major accidents involving dangerous substances

Not applicable.

Other specifications, restrictions and prohibitions

Regulation EU No. 649/2012 on exporting and importing hazardous chemical substances

Not applicable.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product in accordance with Regulation (EC) No. 1907/2006 (REACH).

15.3 Other international regulations

Japan	ENCS (Handbook of Existing and New Chemical Substances)	This product is listed or coherent with inventory of substances.
USA	TSCA (Toxic Substance Control Act Chemical Substance Inventory)	All components of this product are listed as active or are in compliance with the substance inventory.
Philippine	PICCS (Philippine Inventory of Chemicals and Chemical Substances)	This product is listed or coherent with inventory of substances.
Canada	DSL (Domestic Substance List)	This product is listed or coherent with inventory of substances.
Taiwan	TCSI (Taiwan Chemical Substance Inventory)	This product is listed in, or complies with, the substance inventory. General note: The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.
Australia	AICS (Australian Inventory of Chemical Substances)	This product is listed or coherent with inventory of substances.
South Korea	AREC (Act on Registration and Evaluation of Chemicals "K-REACH")	Please approach your regular contact for more detailed information.
SEE	REACH (EC Regulation 1907/2006)	General note: the suppliers, mentioned in Paragraph 1, are obliged, under their own responsibility, to comply with registration resulting from production or importation in SEE. The clients or other users are obliged, under their own responsibility, to comply with registration resulting from importation.

SECTION 16. Other information

16.1 Product

The instructions given in this document are based on the state of our knowledge at the time of the review.

They do not constitute a guarantee of the properties of the product described pursuant to the provisions of law regarding the warranty.

The provision of this document does not relieve the recipient of the product from the responsibility to comply with applicable laws and regulations regarding the product.

This is particularly valid for the subsequent product distribution or of mixtures or articles derived from it in other areas of law, as well as to the trademark rights of third parties.

If the product described is treated or mixed with other substances, the instructions provided in this document cannot be transferred to the new product unless this is mentioned specifically.

If the product is repackaged, it will be the responsibility of the recipient to attach the necessary information regarding safety.

16.2 Additional instructions

In the numerical indications the comma indicates the decimal point.

Vertical lines on the left margin indicate changes with respect to the previous version.

This version replaces all previous issues.

Explanation of the GHS classification code:



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Asp. Tox. 1, H304

Risk if inhaled, Category 1;

May be lethal if case of ingestion and penetration into the respiratory tract.

EUH066

Repeated exposure may cause skin dryness or cracking.