



VOLTECO Spa

CRYSTAL POOL

Revision n. 2.0
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SECTION 1. Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Name CRYSTAL POOL

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

Description/Use Painting for swimming pools

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

The product is not classified as dangerous pursuant to the provisions stipulated in EC Regulation No. 1272/2008 (CLP) as amended.

2.2 Label elements

Labelling pursuant to Regulation EC 1272/2008 (CLP) as amended

EUH208 May produce an allergic reaction.
Contains: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3: 1) reaction mass .
2-octyl -2h-isothiazol-3-one

Hazards identification Not significant.

Precautionary tips Not significant.

2.3 Other hazards

The product contains PBT/vPvB substances.

Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3. Composition/information on ingredients

3.1 Substance/Mixture

Not applicable.

3.2 Mixture

Name	CAS	EC	Conc. %	Classification 1272/2008/EC
2-butoxyethanol (1) REACH: 01-2119475108-36-xxxx	111-76-2	203-905-0	1 - < 2.5%	Acute Tox.4, H302+332 Eye irrit.2, H319 Skin Irrit. 2, H315
Ethylene glycol (1) REACH: 01-2119456816-28-xxxx	107-21-1	203-473-3	1 - < 2.5%	Acute Tox.4, H302 STOT RE 2, H373
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3: 1)	55965-84-9	Not applicable	< 1%	Acute Tox. 2: H310+H330 Acute Tox. 3: H301 Aquatic Acute 1: H400 Aquatic Chronic 1: H410 Eye Dam. 1: H318 Skin corr. 1B: H314 Skin Sens. 1A: H317 - Danger
2-octyl-2H-isothiazol-3-one (1) 26530-20-1 Reach Reg.: 01-2120768921-45-XXXX		247-761-7	< 1%	Acute Tox. 2: H330 Acute Tox. 3: H301+H311 Aquatic Chronic 1: H410 Eye Dam. 1: H318 Skin Corr. 1: H314



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Name	CAS	EC	Conc. %	Classification 1272/2008/EC
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Skin Sens. 1A: H317

EUH071 - Danger

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To broaden the hazard information on substances, see Sections 11, 12 and 16.

Other information

Identification	M-factor
2-octyl-2H-isothiazol-3-one CAS: 26530-20-1 EC: 247-761-7	Acute 100
	Chronic: 100
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not applicable	Acute 100
	Chronic: 100
Identification	Specific concentration limit
2-octyl-2H-isothiazol-3-one CAS: 26530-20-1 EC: 247-761-7	% (p/p) >=0.0015: Skin Sens. 1A-H317
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not applicable	% (p/p) >=0.6: Skin Corr. 1B-H314 0.6<=%(p/p)<0.6: Skin Irrit. 2 - H315 % (p/p) >=0.06: Eye Irrit. 2 - H319 % (p/p) >=0.0015: Skin Sens. 1A-H317

SECTION 4. First aid measures

4.1 Description of the first aid measures

Symptoms as a result of poisoning can develop post-exposure, therefore, in case of doubt, direct exposure to the chemical product or persistence of the ailment, seek medical attention showing him/her the product safety data sheet.

Contact with skin	The product is not classified as dangerous for skin. Nevertheless, in case of skin contact, it is recommended to remove all soiled and contaminated clothing, to rise the skin or to do shower with plenty of water and neutral soap. In case of serious conditions, seek medical attention.
Contact with eyes	Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.
Swallowing/Inhalation	Do not induce vomiting, if it is generated naturally keep your head tilted forward to avoid inhalation. Keep the affected individual at rest. Rinse mouth and throat, as there is the possibility that they have been damaged through ingestion.
Inhalation	This product does not contain substances that are classified as hazardous for inhalation, nevertheless, in case of symptoms of intoxication we recommend taking the affected individual away from the site of exposure and keeping him/her in clean air and at rest. If symptoms persist seek medical attention.

4.2 Main symptoms and effects, both acute and delayed

Refer to Chapter 2 and 11 for symptoms and effects caused by the contained substances.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5. Fire-fighting measures

5.1 Extinguishing agents

Suitable extinguishing agents

Product not flammable under normal conditions of storage, handling and use although it contains combustible substances.

In case of fire following handling, storage or due use, preferably use polyvalent powder extinguishers (ABC powder), in compliance with the Regulation on fire protection Installations.

Unsuitable extinguishing agents



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Not significant.

5.2 Special hazards arising from the substance or mixture

As a result of combustion or thermal decomposition, reaction sub-products are generated that can be highly toxic and therefore present a high health risk.

5.3 Recommendations for those in charge of putting out fires

Depending on the severity of the fire, it may be necessary to use complete protective clothing and self-contained breathing apparatuses. Set up a minimum emergency plant or elements for intervention (fireproof blankets, first aid kits, ...) in compliance with Directive 89/654/EC.

Additional information

Act in compliance with the Internal Emergency Plan and the Information Sheets on what to do in case of accidents and other emergencies. Eliminate any source of ignition. In case of fire, cool product storage vessels and tanks with a fire hazard, explosion hazard or BLEVE as a result of high temperatures. Avoid leaking products used for fire extinguishing into water.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For whoever is not working on it directly

Isolate the leaks as long as this does not pose an additional risk for the people performing this function.

In case of potential contact with spilled product, it is compulsory to use personal protective elements (see Paragraph 8).

Evacuate the area and keep people without protection away.

For whoever works on it directly

See Paragraph 8.

6.2 Environmental precautions

Prevent the product from entering the drains, surface water, ground water and confined areas as it contains substances that are dangerous for the environment.

Duly contain the absorbed product in airtight recipients.

Notify the competent authorities if substantial amounts of water are spilled.

6.3 Methods and materials for containment and cleaning up

We recommend:

Absorb the spillage with sand or absorbent inert material and move it to a safe place.

Do not absorb with sawdust or other inflammable absorbent material.

For any consideration regarding elimination, refer to Paragraph 13.

6.4 Reference to other sections

Any information on personal protection and disposal is found in Sections 8 and 13.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling

Fulfil legislation in force on safety in the workplace. Keep recipients hermetically closed. Control spills and residues, eliminating them safely (Paragraph 6). Avoid free spillage from the recipients. Keep the areas where hazardous products are handled clean and tidy.

Technical recommendations for the prevention of fires and explosions

Product not flammable under normal conditions of storage, handling and use. It is advisable to transfer slowly to avoid generating electrostatic discharges that could involve flammable products. Refer to Paragraph 10 on what conditions and materials to avoid.

Technical recommendations to prevent ergonomic and toxicological risks

Avoid eating or drinking during handling and then be sure to wash with suitable products.

Technical recommendations to prevent environmental risks

It is recommended to have absorbent material near the product (see Paragraph 6.3).

7.2 Conditions for safe storage, including any incompatibility

Technical measures for storage

Minimum temperature: 5 °C; Maximum temperature: 30 °C; Maximum time: 6 months.

General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For further information see Paragraph 10.5.

7.3 Specific end uses

No particular use.

SECTION 8. Exposure control/personal protection

8.1 Control parameters

Substance with occupational exposure limit values that need to be controlled in the workplace.

Threshold limit value

Description	Type	State	VL/8h	-	VL (short term)	-
-	-	-	mg/m ³	ppm	mg/m ³	ppm
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	VL	-	98	20	246	50
Ethylene glycol CAS: 107-21-1 EC: 203-473-3	VL	-	52	20	104	40

DNEL

Name of product/ingredient	Exposure level	Local short	Systemic short	Local chronic	Systemic chronic	Population
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not applicable	Not applicable	Not applicable	6.3 mg/kg	Customer
	Inhalation	147 mg/m ³	426 mg/m ³	Not applicable	59 mg/m ³	Customer
	Dermal	Not applicable	89 mg/kg	Not applicable	75 mg/kg	Customer
	Oral	Not applicable	Not applicable	Not applicable	Not applicable	Workers
	Inhalation	246 mg/m ³	1091 mg/m ³	Not applicable	98 mg/m ³	Workers
	Dermal	Not applicable	89 mg/kg	Not applicable	125 mg/kg	Workers
Ethylene glycol CAS: 107-21-1 EC: 203-473-3	Oral	Not applicable	Not applicable	Not applicable	Not applicable	Customer
	Inhalation	Not applicable	Not applicable	7 mg/m ³	Not applicable	Customer
	Dermal	Not applicable	Not applicable	Not applicable	53 mg/kg	Customer
	Oral	Not applicable	Not applicable	Not applicable	Not applicable	Workers
	Inhalation	Not applicable	Not applicable	35 mg/m ³	Not applicable	Workers
	Dermal	Not applicable	Not applicable	Not applicable	106 mg/kg	Workers

PNEC

Name of product/ingredient	Type	Value	Environmental detail	Value
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	STP	463 mg/l	Fresh water	8.8 mg/l
	Soil	2.33 mg/kg	Sea water	0.88 mg/l
	Intermittent	26.4 mg/l	Sediment (fresh water)	34.6 mg/kg
	Oral	0.02 g/kg	Sediment (salt water)	34.6 mg/kg
Ethylene glycol CAS: 107-21-1 EC: 203-473-3	STP	199.5 mg/l	Fresh water	10 mg/l
	Soil	1.53 mg/kg	Sea water	1 mg/l
	Intermittent	10 mg/l	Sediment (fresh water)	37 mg/kg
	Oral	Not applicable	Sediment (salt water)	3.7 mg/kg
2-octyl-2H-isotiazol-3-one CAS: 26530-20-1 EC: 247-761-7	STP	Not applicable	Fresh water	0.0022 mg/kg
	Soil	0.0082 mg/kg	Sea water	0.00022 mg/kg
	Intermittent	0.00122 mg/l	Sediment (fresh water)	0.0475 mg/kg
	Oral	Not applicable	Sediment (salt water)	0.00475 mg/kg

8.2 Exposure controls

General safety and hygiene measures for the work environment

As a prevention measure we recommend using basic personal protective equipment, marked with "CE seal".

For more information on personal protective equipment (storage, use, protection category, etc.) consult the information leaflet provided by the manufacturer of the PPE.



The indications contained in this point refer to the pure product.

The protection measures for the diluted product can vary based on its degree of dilution, use, application method, etc.
The regulation relative to the storage of chemical products, applicable for each case, will be taken into consideration to determine the obligation to install emergency showers and/or eye washes in the warehouses.
For more information read Paragraphs 7.1 and 7.2.

Respiratory system protection

It will be necessary to use protective equipment if mist forms or if the occupational exposure limits are exceeded.

Hand protection



Pictogram	DPI	Marked	ECN standards	Observations
 <i>Compulsory protection for the hands</i>	Protective gloves against minor risks			Replace gloves at the first sign of deterioration. For periods of prolonged exposure to the product by professional / industrial users we recommend the use of CE III gloves in accordance with EN 420: 2004+ A1: 2010 and EN ISO 374-1: 2016 + A1: 2018.

As the product is a mixture of different materials, the resistance of the glove material cannot be reliably calculated in advance and has therefore to be checked prior to the application.



Eyes/face protection

Pictogram	DPI	Marked	ECN standards	Observations
 <i>Compulsory protection for the face</i>	Panoramic glasses against splashes and / or throws		EN ISO 4007:2018	Clean daily and periodically disinfect according to manufacturer's instructions. Recommended for use where there is a risk of splashing.

Body protection

Pictogram	DPI	Marked	ECN standards	Observations
	Work clothes			Replace if there is any sign of deterioration. For prolonged exposure periods for professional / industrial users, CE III is recommended, according to EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994
	Non-slip work shoes		EN ISO 20347:2012	Replace if there is any sign of deterioration. For prolonged exposure periods for professional / industrial users, CE III is recommended, according to EN ISO 20345: 2012 and EN 13832-1: 2007 standards

Complementary emergency measures

Emergency measures	Standards
 <i>Emergency shower</i>	ANSI Z358-1 ISO 3864-1:2011 ISO 3864-4:2011
 <i>Eye bath</i>	DIN 12 899 ISO 3864-1:2011 ISO 3864-4:2011

Environmental exposure controls

Based on Community legislation on environmental protection we recommend against releasing the product and its containers in the environment.

For further information see Paragraph 7.1.D.

Volatile organic compounds

In application of Directive 2010/75/EU, this product presents the following characteristics:

V.O.C. (Supply): 2.03 % in weight

V.O.C. density at 20 °C: 27.45 kg/m³ (27.45 g/l)

Mean carbon number: 6.01

Mean molecular weight: 119.11 g/mol

SECTION 9. Physical and chemical properties**9.1 Information on the basic physical and chemical properties**

Description	Values
Physical state	Liquid
Appearance	Fluid
Colour	As indicated in the container
Odour	Characteristic
Olfactory threshold	Not applicable
pH	8.5
Melting or freezing point	Not applicable
Boiling point	104 °C
Boiling range	Not available
Flash point	> 60 °C (not flammable)
Evaporation rate	Not applicable
Flammability of solids and gases	Not applicable
Lower flammability limit	Not applicable
Upper flammability limit	Not applicable
Lower explosivity limit	Not applicable
Upper explosivity limit	Not applicable
Vapour pressure at 20 °C	2309 Pa
Vapour pressure at 50 °C	12169 Pa
Density at 20 °C	1349.4 kg/m ³
Solubility	Not applicable
Partition coefficient n-octanol/water	Not applicable
Auto-ignition temperature	204 °C
Decomposition temperature	Not applicable
Dynamic viscosity at 20 °C	Not applicable

9.2 Other information

Corrosive substances or mixtures for metals: Not applicable

Heat of combustion: Not applicable.

Aerosol-total percentage (by mass) of flammable components: Not applicable.

Refraction index: Not applicable

Surface tension at 20 °C: Not applicable.

Oxidising properties: Not applicable.

Explosive properties: Not applicable.

SECTION 10. Stability and reactivity**10.1 Reactivity**

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

See Section 7.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

No dangerous reactions are expected under normal conditions of use and storage.

10.4 Conditions to be avoided

Shock and friction Not applicable



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Contact with air Not applicable

Heating Precaution

Sun light Precaution

Humidity Not applicable

10.5 Incompatible materials

Acids Avoid strong acids

Water Not applicable

Oxidising materials Avoid direct impact

Combustible materials Not applicable

Other Avoid alkalis or strong bases

10.6 Hazardous decomposition products

Depending on the conditions of decomposition, this may lead to the release of complex mixtures of chemical substances: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

See heading 10.3, 10.4 and 10.5 to specifically know the decomposition products.

SECTION 11. Toxicological information

11.1 Information on the hazard classes defined in EC Regulation no. 1272/2008

There is no experimental data available on the product as such in relation to the toxicological properties.

Contains glycols, possibility of harmful effects on health, it is therefore advisable not to breathe the vapours for long.

Dangerous effects for health

Repeated, prolonged exposure or at higher concentrations than established for the occupational exposure limits, may produce harmful effects on health based on the channel of exposure:

Ingestion (acute effect)

Acute toxicity: Based on the available data the classification criteria is not fulfilled, nevertheless it presents substances classified as hazardous for ingestion. For further information see Paragraph 3.
Corrosivity/Irritability: Based on the available data the classification criteria is not fulfilled, nevertheless it presents substances classified as hazardous for ingestion. For further information see Paragraph 3.

Inhalation (acute effect)

Acute toxicity: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see Paragraph 3.
Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

Contact with skin and eyes (acute effect)

Contact with skin: Based on the available data the classification criteria is not fulfilled, nevertheless it presents substances classified as hazardous for contact with the skin. For further information see Paragraph 3.
Contact with eyes: Based on the available data the classification criteria is not fulfilled, nevertheless it presents substances classified as hazardous for contact with the eyes. For further information see Paragraph 3.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity: Based on the available data the classification criteria is not fulfilled, nevertheless it presents substances classified as hazardous for the described effects. For further information see Paragraph 3. IARC: 2,6-di-tert -butyl-p -cresol (3)
2-butoxyethanol (3)
Ethylbenzene (2B)
Mutagenic effects: Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for this effect. For more information see Paragraph 3.
Reproductive toxicity: Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for this effect. For more information see Paragraph 3.

Effects of sensitisation

Breathing apparatuses: Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous with sensitising effects. For further information see Paragraph 3.
Dermal: Based on the available data the classification criteria is not fulfilled, nevertheless it presents substances classified as hazardous with sensitising effects. For further information see Paragraph 3.

Specific toxicity for target organs (STOT) - Single exposure:

Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for this effect. For further information see Paragraph 3.

Specific toxicity for target organs (STOT) - Repeated exposure

Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see Paragraph.
Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see Paragraph 3.

Risk if inhaled

Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for this effect. For more information see Paragraph 3.

Other information

Not applicable.



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Identification	-	-	Acute toxicity	-	-
Name of product/ingredient	CAS	EC	Type	Dose	Type
2-butoxyethanol	111-76-2	203-905-0	LD50 Oral	1200 mg/kg/l	Rat
			LD50 Dermal	3000 mg/Kg	Rabbit
			CL50 Inhalation	11 mg/l (4 h)	
Ethylene glycol	107-21-1	203-473-0	LD50 Oral	500 mg/kg	
			LD50 Dermal	Not applicable	
			CL50 Inhalation	Not applicable	
2-octyl-2H-isotiazol-3-one	26530-20-1	247-761-7	LD50 Oral	125 mg/kg	Rat
			LD50 Dermal	311 mg/kg	
			CL50 Inhalation	Not applicable	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	Not applicable	LD50 Oral	64 mg/kg	Rat
			LD50 Dermal	87.12 mg/kg	Rabbit
			CL50 Inhalation	0.33 mg/l (4h)	Rat

11.2 Information on other hazards

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Not applicable

SECTION 12. Ecological information

There is no available data on the mixture.

12.1 Toxicity

Acute toxicity

Name of product /ingredient	CAS	EC	Type	Dose	Exposure	Species	Type
2-butoxyethanol	111-76-2	203-905-0	CL50	1490 mg/l	96 h	Lepomis macrochirus	Fish
			EC50	1815 mg/l	48 h	Daphnia Magna	Crustace
			EC50	911 mg/l	72 h	Pseudokirchneriella subcapitata	Algae
Ethylene glycol	107-21-1	203-473-0	CL50	53000 mg/l	96 h	Pimephales promelas	Fish
			EC50	51000 mg/l	48 h	Daphnia Magna	Crustace
			EC50	24000 mg/l	168 h	Selenastrum capricornutum	Algae
2-octyl-2H-isothiazol-3-one	26530-20-1	247-761-7	CL50	> 0.1-1 mg/l	96 h		Fish
			EC50	> 0.1-1 mg/l	48 h		Crustace
			EC50	> 0.1-1 mg/l	72 h		Algae
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3: 1)	55965-84-9	Not applicable	CL50	> 0.1-1 mg/l	96 h		Fish
			EC50	> 0.1-1 mg/l	72 h		Algae
			EC50	> 0.1-1 mg/l	48 h		Crustace

long-term toxicity



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Identification	Concentration	Species	Type
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	NOEC 100 mg/l	Danio rerio	Fish
	NOEC 100 mg/l	Daphnia Magna	Crustace

12.2 Persistence and degradability

Name of product/ingredient	BOD5	COD	BOD5/COD	Concentration	Exposure	% Biodegradable
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	0.71 g O2/g	2.2 g O2/g	0.32	100 mg/l	14 days	96%
Ethylene glycol CAS: 107-21-1 EC: 203-473-3	0.47g O2/g	1.29 g O2/g	0.36	100 mg/l	14 days	90%

12.3 Bioaccumulative potential

Information not available.

Name of product/ingredient	LogPow	BCF	Potential
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	0.83	3	Low
Ethylene glycol CAS: 107-21-1 EC: 203-473-3	10	-1.36	Low

12.4 Mobility in the soil

Name of product/ingredient	Absorption/desorption	-	-	Volatility	-	-
Name of product/ingredient	Koc	Conclusion	Surface tension	Henry	Dry land	Moist land
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	8	Very high	2.729E-2 N/m (25 °C)	1.621E-1 Pa*m ³ /mol	No	Yes
Ethylene glycol CAS: 107-21-1 EC: 203-473-3	0	Very high	4.989E-2 N/m (25 °C)	1.327E-1 Pa*m ³ /mol	No	No

12.5 Results of the PBT and vPvB evaluation

The product does NOT contain substances that meet the PBT or vPvB criteria.

12.6 Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects

Not described.

SECTION 13. Disposal considerations

13.1 Waste processing methods

Code	Description	Type of residue (EC Regulation No. 1357/2014)
08 01 12	Waste paints, other than those in item 08 01 11	Not applicable

Waste management (elimination and valorisation)

Consult the residue manager authorised to perform valorisation and elimination operations in compliance with Annex 1 and Annex 2 (Directive 2008/98/EC, Legislative Decree 205/2010). According to Codes 15 01 (2014/955/EU), if the container has been in direct contact with the product it will be treated in the same way as the product itself, otherwise it will be treated as non-hazardous residue. Do not dispose of into watercourses. See Point 6.2.

Provisions regarding waste management

In conformity with Annex II of EC Regulation No. 1907/2006 (REACH) the Community or state provisions pertaining to waste management are implemented. Community legislation: Directive 2008/98/EC, 2014/955/EU, EU Regulation No. 1357/2014. National legislation: Legislative Decree 25/2010.



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SECTION 14. Transport information

The product is not classified as dangerous in accordance with the provisions in force concerning transport of dangerous goods by road (ADR) and by Rail (RID), by sea (IMDG Code) and by air (IATA).

SECTION 15. Regulatory information

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

Regulation EC No. 528/2012

Contains a preservative to maintain the original properties of the treated item.

Contains Tetrahydro-1,3,4,6-tetrakis (hydroxymethyl) imidazo [4,5-d] imidazole-2,5 (1H, 3H) -dione, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3: 1), bronopol (DCI), 1,2-benzisothiazol-3 (2H) -one, 2-methyl-2H-isothiazol-3-one, diuron (ISO), Zinc pyrithione, 2-octyl-2H-isothiazol-3-one

Substances subject to authorisation Annex XIV Regulation EC No. 1907/2006 (REACH)

Not applicable.

Substances included in Annex XIV of REACH (authorisation list) and expiration date

Not applicable.

Regulation EC No. 1005/2009 on substances that reduce the ozone layer

Not applicable.

Art. 95, EU Regulation no. 528/2012

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (Product type 2, 4, 6, 11, 12, 13); 2-octyl-2H-isothiazol-3-one (Product type 6, 7, 8, 9, 10, 11, 13)

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

Not applicable.

Seveso III

Not applicable.

Restrictions on the sale and use of certain hazardous substances and mixtures (Annex XVII, REACH)

Contains Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane.

1. The placing on the market in cosmetic products to be eliminated with water in a concentration equal to or greater than 0.1% by weight of one or the other substance is not allowed after January 31, 2020.

2. For the purposes of this item, "cosmetic products to be eliminated with water" means cosmetic products as defined in Article 2, Paragraph 1, Letter a), of Regulation (EC) no. 1223/2009 which, under normal conditions of use, are eliminated with water after application.

Special provisions regarding the protection of people or the environment

We recommend using the information provided in this safety data sheet as the input data in an assessment of the risks of local circumstances with the aim of establishing the necessary risk prevention measures for handling, use, storage and elimination of said product.

Other legislations

Lgs. D. No. 205/2010

Provisions for the implementation of Directive No. 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives.

D. Lgs. n. 85/2016

Regulation laying down rules for the implementation of Directive 2014/34 / EU on the harmonization of the laws of the Member States relating to equipment and protective systems intended for use in potentially explosive atmospheres.

Lgs. D. No. 233/2003

Implementation of directive 1999/92/EC relative to the minimum requirements for improvement of the protection of the safety and health of workers exposed to the risk of explosive atmospheres.

Lgs. D. No. 186/2011

Rules of penalties for the violation of provisions of EC Regulation No. 1272/2008.

D. Lgs. n. 161/2006

Implementation of Directive 2004/42 / EC, for the limitation of volatile organic compound emissions resulting from the use of solvents in certain paints and varnishes, as well as in bodywork products.

D. Lgs. n. 152/2006

Environmental regulations. Royal decree 147/1927, last updated 06/12/2021. Approval of the special regulation for the use of toxic gases.

G.U. 14 March 2016 n. 61 - Legislative Decree no. 39 of 15 February 2016

Consolidated text on health and safety at work - Rev. 2022

15.2 Chemical safety assessment

No chemical safety assessment has been conducted for the mixture and the substances contained in it.



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SECTION 16. Other information

Applicable legislation to safety data sheets

This safety data sheet was developed in compliance with Annex II - Guide to the compilation of Safety Data Sheets of EC Regulation No. 1907/2006 - EU Regulation No. 878/2020 of the Commission.

Modifications in relation to the previous safety data sheet on risk management measures

Composition/information on ingredients (Section 3):

Withdrawn substances: 2-(2-butoxyethoxy)ethanol (112-34-5); Ethylbenzene (100-41-4); Zinc pyrithione (13463-41-7)

Regulation EC No. 1272/2008 (CLP) (Section 2, Section 16)

- Hazard statements

- Precautionary tips

Texts of legislative phrases covered in Section 3

The phrases stated here do not refer to the product itself, they are provided by way of example and refer to the single components that appear in Section 3.

Regulation EC No. 1272/2008 (CLP)

H310+H330	Acute Tox. 2	Fatal in contact with skin or if inhaled
H330	Acute Tox. 2	Lethal if inhaled
H301	Acute Tox. 3	Toxic if swallowed
H301+H311	Acute Tox. 3	Toxic if swallowed or in contact with skin
H302	Acute Tox. 4	Harmful if swallowed
H302+H332	Acute Tox. 4	Harmful if swallowed or inhaled
H314	Skin Corr. 1	Causes severe skin burns and eye damage
H314	Skin Corr. 1B	Causes severe skin burns and eye damage
H315	Skin Irrit. 2	Causes skin irritation
H317	Skin Sens. 1A	May cause an allergic skin reaction
H318	Eye Dam. 1	Causes serious eye damage
H319	Eye Irrit. 2	Causes serious eye irritation
H373	STOT RE 2	May cause damage to organs in the event of prolonged or repeated exposure
H400	Aquatic Acute 1	Very toxic to aquatic organisms
H410	Aquatic Chronic 1	Very toxic to aquatic life with long-term effects

Classification procedure

Not applicable

Tips on training

We recommend minimum training on the topic of work risk prevention for staff who will be handling this product, with the aim of facilitating the comprehension and interpretation of this safety data sheet, as well as product labelling.

Main sources of literature

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- IMDG: International maritime code for transport of Dangerous Goods
- IATA: International Air transport Association
- ICAO: International Civil Aviation Organization
- COD: Chemical Oxygen Demand
- BOD5: 5-day biochemical oxygen demand
- BCF: Bio-concentration factor
- LD50: Lethal dose for 50% of the test population
- LC50: Lethal concentration for 50% of the test population
- EC50: Effective concentration 50%
- Log POW: Octanol-water partition coefficient logarithm
- Koc: Soil organic carbon-water partitioning coefficient
- UFI: Unique formula identifier
- IARC: International Agency for Research on Cancer

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.



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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.

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