



VOLTECO Spa

CRYSTAL

Revision n. 1.0
Revision date 23/09/2022
Printed on 23/09/2022
Page nr. 1 / 11

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

1.1 Product identifier

Name CRYSTAL

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

Description/Use One-component transparent paint

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 cause an allergic reaction.
Contains: 2-octyl-2H-isothiazol-3-one.

Hazards identification Not significant.

Precautionary tips Not significant.

2.3 Other hazards

Not significant.

SECTION 3. Composition/information on ingredients

3.1 Substance/Mixture

Not applicable.

3.2 Mixture

Name	CAS	EINECS	Conc.	Classification 1272/2008/EC
2-octyl-2H-isothiazol-3-one (1) Reach Reg.: 01-2120768921-45-XXXX	26530-20-1	247-761-7	<1	Acute Tox. 2, H330 Acute Tox. 3, H301+H331 Aquatic Chronic 1, H410 Eye Dam. 1, H318 Skin Corr. 1, H314 Skin Sens. 1A, H317 EUH071 - Danger
2-butoxyethanol (1) REACH: 01-2119475108-36-xxxx	111-76-2	603-014-00-0	1 - < 2.5 %	Acute Tox. 4 (Oral), H302+H332 Eye Irrit. 2, H319 Skin Irrit. 2, H315 - Attention

(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 8, 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



VOLTECO Spa

CRYSTAL

Revision n. 1.0

Revision date 23/09/2022

Printed on 23/09/2022

Page nr. 2 / 11

Identification

M-factor

Identification

2-octyl-2H-isothiazol-3-one
CAS: 26530-20-1
EC: 247-761-7

Specific concentration limit

% (p0.0015/p)>=: 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 any case, after washing, it is necessary to seek medical advice as quickly as possible, presenting the product safety data sheet.

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

Product not flammable under normal conditions of storage, handling and use.

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.

DO NOT USE water spray as an extinguishing agent.

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.



VOLTECO Spa

CRYSTAL

Revision n. 1.0

Revision date 23/09/2022

Printed on 23/09/2022

Page nr. 3 / 11

6.2 Environmental precautions

Do not pour into the aquatic environment as it contains substances that are dangerous for it.

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 (Lgs. D. No. 81/2008 as amended and integrated):

Standard references

Italy	Lgs. D. 09/04/2008 No. 81
TLV-ACGIH	ACGIH 2012

Threshold limit value

Description	Type	State	VL/8h	-	VL (short term)	-
-	-	-	mg/m ³	ppm	mg/m ³	ppm
2-butoxyethanol	-	-	98	20	246	50

CAS: 111-76-2

EC: 203-905-0

DNEL

Name of product /ingredient	Type	Exposure level	Local acute	Systemic acute	Local chronic	Systemic chronic	Population
2-butoxyethanol	-	Oral	Not applicable	13.4 mg/kg	Not applicable	6.3 mg/kg	Population
CAS: 111-76-2	-	Inhalation	147 mg/m ³	426 mg/m ³	Not applicable	59 mg/m ³	Population
EC: 203-905-0	-	Dermal	Not applicable	89 mg/kg	Not applicable	75 mg/kg	Population
-	-	Oral	Not applicable	Not applicable	Not applicable	Not applicable	Workers
-	-	Dermal	Not applicable	89 mg/kg	Not applicable	Not applicable	Workers



VOLTECO Spa

CRYSTAL

Revision n. 1.0

Revision date 23/09/2022

Printed on 23/09/2022

Page nr. 4 / 11

Name of product /ingredient	Type	Exposure level	Local acute	Systemic acute	Local chronic	Systemic chronic	Population
-		Inhalation	246 mg/m ³	1091 mg/m ³	Not applicable	98 mg/m ³	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
2-octyl-2H-isotiazol-3-one CAS: 26530-20-1 EC: 247-761-7	Oral	0.02 g/kg	Sediment (salt water)	3.46 mg/kg
	STP	Not applicable	Fresh water	0.0022 mg/l
	Soil	0.082 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
 Compulsory protection for the hands	Protective gloves against minor risks		ECN standards	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
 Compulsory protection for the face	Panoramic glasses against splashes and / or throws		EN 166:2002 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	Marked	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



VOLTECO Spa


CRYSTAL

Revision n. 1.0



Revision date 23/09/2022

Printed on 23/09/2022

Page nr. 5 / 11

Pictogram	DPI	Marked	Marked	Observations
	Non-slip work shoes	 CAT II	EN ISO 20347:2012	6530:2005, EN ISO 13688:2013, EN 464:1994 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
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011 ISO 3864-4:2011
 Eye bath	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): 2.3 % in weight

V.O.C. density at 20 °C: 24.07 kg/m³ (24.07 g/l)

Mean carbon number: 6

Mean molecular weight: 118.2 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
pH	8.5
Boiling point	101 °C
Flash point	> 60 °C (not flammable)
Self-ignition temperature	238 °C
Evaporation rate	Not applicable*
Lower flammability limit	Not applicable*
Upper flammability limit	Not applicable*
Vapour pressure at 20 °C	2338 Pa
Vapour pressure at 50 °C	12318.64 Pa (12,32 kPa)
Vapour pressure at 50 °C	12318.64 Pa (12,32 kPa)
Vapour density at 20 °C	Not applicable*
Density at 20 °C	1045.1 kg/m ³
Relative density at 20 °C	1.045
Solubility in water at 20 °C	Not applicable*
Partition coefficient n-octanol/water	Not applicable*
Dynamic viscosity at 20 °C	Not applicable*



VOLTECO Spa

CRYSTAL

Revision n. 1.0

Revision date 23/09/2022

Printed on 23/09/2022

Page nr. 6 / 11

Description	Values
Kinematic viscosity at 40 °C	Not applicable*
Kinematic viscosity at 20 °C	Not applicable*
Solubility properties	Not applicable*
Melting or freezing point	Not applicable*
Decomposition temperature	Not applicable*

*Not applicable due to the nature of the product, information is not provided regarding its level of harm.

9.2 Other information

Explosive properties: Not applicable*

Oxidising properties: Not applicable*

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*

SECTION 10. Stability and reactivity

10.1 Reactivity

No hazardous reaction if the following technical chemical product storage instructions are implemented.

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 due to changes in temperature and/or pressure are expected under normal conditions of use and storage.

10.4 Conditions to be avoided

Shock and friction Not applicable

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

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

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 this effect. For further 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.
Specific toxicity for target organs (STOT) -	Specific toxicity for target organs (STOT) - Repeated exposure: Based on the available data the



VOLTECO Spa

CRYSTAL

Revision n. 1.0

Revision date 23/09/2022

Printed on 23/09/2022

Page nr. 7 / 11

Repeated exposure

classification criteria is not fulfilled, as it does not present substances classified as hazardous for repeated exposure. For more information see Paragraph 3.

Skin: 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.

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 inhalation.

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.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see Paragraph 3 IARC: 2-butoxyethanol (3), ethylbenzene (2B)

Mutagenicity: 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.

Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see Paragraph 3.

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 this effect. 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

Other information

Not applicable.

Name of product/ingredient	CAS	EC	Type	Dose	Type
2-butoxyethanol	111-76-2	203-905-0	LD50 Oral	1200 mg/kg	Rat
			LD50 Dermal	3000 mg/Kg	Rabbit
			CL50 inhalation	11 mg/l (ATEi)	
2-octyl-2H-isotiazol-3-one	26530-20-1	247-761-7	LD50 Oral	125 mg/kg	
			LD50 Dermal	311 mg/kg	
			CL50 inhalation	Not applicable	

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

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
2-octyl-2H-isotiazol-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



VOLTECO Spa

CRYSTAL

Revision n. 1.0

Revision date 23/09/2022

Printed on 23/09/2022

Page nr. 8 / 11

long-term toxicity

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%

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

12.4 Mobility in the soil

Name of product/ingredient	Absorption/desorption	-	Volatility	-	-

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

European Waste Code: 08 01 12**Description:** Waste paints, other than those in item 08 01 11**Type of residue (EU Regulation No. 1357/2014):** 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.

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: Diuron, Zinc pyritone, 2-octyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

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



VOLTECO Spa

CRYSTAL

Revision n. 1.0

Revision date 23/09/2022

Printed on 23/09/2022

Page nr. 9 / 11

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

2-octyl-2H-isothiazol-3-one (Product type 6, 7, 8, 9, 10, 11, 13)

Regulation EC 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)

Occupational exposure of respirable crystalline silica must be controlled in accordance with Directive EU 130/2019.

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

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 the improvement of the protection of the safety and health of workers exposed to the risk of explosive atmospheres.

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, no. 39 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.

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

EU Regulation 278/2020 of the Commission composition/information on ingredients (Section 3, Section 11, Section 12): Added substances 2-octyl-2H-isothiazol-3-one (CAS: 26530-20-1).

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)

H330	Acute Tox. 2	Lethal if inhaled
H301+H311	Acute Tox. 3	Toxic if swallowed or in contact with skin
H302+H332	Acute Tox. 4	Harmful if swallowed or inhaled
H400	Aquatic Acute 1	Very toxic to aquatic organisms
H410	Acute Chronic 1	Very toxic to aquatic life with long-term effects
H318	Eye Dam. 1	Causes serious eye damage
H319	Eye Irrit. 2	Causes serious eye irritation



VOLTECO Spa

CRYSTAL

Revision n. 1.0

Revision date 23/09/2022

Printed on 23/09/2022

Page nr. 10 / 11

H314	Skin Corr. 1B	Causes severe skin burns and eye damage
H315	Skin Irrit. 2	Causes skin irritation
H317	Skin Sens. 1	May cause an allergic skin reaction

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

KEY:

- 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:
- Directive No. 1999/45/EC (Hazardous preparations) as amended
 - Directive No. 67/548/EC (Substances) as amended



VOLTECO Spa

CRYSTAL

Revision n. 1.0

Revision date 23/09/2022

Printed on 23/09/2022

Page nr. 11 / 11

- 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
- ECHA Agency website

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.

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