

ITALMONT S.R.L.
ZIRKON WHITE BIANCO

Revision nr.2
Dated 10/01/2026
Printed on 20/01/2026
Page n. 1 / 14
Replaced revision:1 (Dated 10/11/2025)

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

Product name **ZIRKON WHITE BIANCO**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use **Quartz acrylic paint for exteriors**

Identified Uses	Industrial	Professional	Consumer
paint product	SU: 19. ERC: 8a, 8d. PROC: 10, 11, 13, 7, 8b. PC: 9a. LCS: IS.	SU: 19. ERC: 8a, 8d. PROC: 10, 11, 13, 8a. PC: 9a. LCS: PW.	SU: 19. ERC: 8a, 8d. PROC: 10, 11, 13, 8a. PC: 9a. LCS: C.
paint product production	ERC: 2. PROC: 5, 8b, 9. PC: 9a. LCS: F, M.	-	-

1.3. Details of the supplier of the safety data sheet

Name **ITALMONT S.R.L.**
Full address **VIA IV NOVEMBRE 13**
District and Country **63078 Spinetoli ITALIA** (AP)
Tel. **+39 0736 899238**
Fax **+39 0736 899489**
e-mail address of the competent person responsible for the Safety Data Sheet **info@italmont.it**
Supplier: **ITALMONT S.R.L.**

1.4. Emergency telephone number

For urgent inquiries refer to **UE general number - 112 (Available 24h. Safety Data Sheets or Product information could not available for emergency service)**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Hazardous to the aquatic environment, chronic toxicity, category 3 H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal word: --

SECTION 2. Hazards identification ... / >>

Hazard statements:

H412
EUH208

Harmful to aquatic life with long lasting effects.
Contains: REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND
2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
2-OCTYL-2H-ISOTHIAZOL-3-ONE
1,2-BENZISOTHIAZOLIN-3-ONE

May produce an allergic reaction.

Precautionary statements:

P273

Avoid release to the environment.

Contains: QUARTZ

VOC (Directive 2004/42/EC) :

Exterior walls of mineral substrate.

VOC given in g/litre of product in a ready-to-use condition : 11.38
Limit value: 40.00

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients**3.2. Mixtures**

Contains:

Identification	Conc. %	Classification (EC) 1272/2008 (CLP)
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TITANIUM DIOXIDE

INDEX 13.5

EC 236-675-5

CAS 13463-67-7

REACH Reg. 01-2119489379-17-XXXX

CALCIUM CARBONATE

INDEX 5

EC 207-439-9

CAS 471-34-1

TALC

INDEX 4.5

EC 238-877-9

CAS 14807-96-6

QUARTZ

INDEX 3.51 STOT RE 1 H372

EC 238-878-4

CAS 14808-60-7

1,2-BENZISOTHIAZOLIN-3-ONE

INDEX 0.01

Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410

M=1

Skin Sens. 1A H317: ≥ 0.036%

LD50 Oral: 450 mg/kg, LC50 Inhalation mists/powders: 0.21 mg/l/4h

EC 220-120-9

CAS 2634-33-5

REACH Reg. Biocida

2-OCTYL-2H-ISOTHIAZOL-3-ONE

INDEX 0.00140

Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1 H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071

Skin Sens. 1A H317: ≥ 0.0015%

LD50 Oral: 125 mg/kg, LD50 Dermal: 311 mg/kg, LC50 Inhalation mists/powders: 0.27 mg/l/4h

REACH Reg. Biocida

SECTION 3. Composition/information on ingredients ... / >**REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)**

INDEX	613-167-00-5	0.00119	Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071, Classification note according to Annex VI to the CLP Regulation: B
EC			Skin Corr. 1C H314: ≥ 0.6%, Skin Irrit. 2 H315: ≥ 0.06% - < 0.6%, Skin Sens. 1A H317: ≥ 0.0015%, Eye Dam. 1 H318: ≥ 0.6%, Eye Irrit. 2 H319: ≥ 0.06% - < 0.6%
CAS	55965-84-9		ATE Oral: 100 mg/kg, LD50 Dermal: 87.12 mg/kg, LC50 Inhalation mists/powders: 0.171 mg/l/4h
TERBUTRINA			
INDEX		0.00112	Acute Tox. 4 H302, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100
EC	212-950-5		ATE Oral: 500 mg/kg
CAS	886-50-0		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures**4.1. Description of first aid measures**

No effects requiring implementation of special first aid measures are expected. The following information represents practical indications of correct behaviour in the event of contact with a chemical product, even if not hazardous.

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice.

Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

4.3. Indication of any immediate medical attention and special treatment needed

If symptoms occur, whether acute or delayed, consult a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

SECTION 5. Firefighting measures**5.1. Extinguishing media****SUITABLE EXTINGUISHING EQUIPMENT**

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture**HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

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SECTION 5. Firefighting measures ... / >>

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

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

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

DEU	Deutschland	WirkungDosisNOAELMAK-und BAT-Werte-Liste 2024 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe
ESP	España	Límites de exposición profesional para agentes químicos en España 2024
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Regeling van de Minister van Sociale Zaken en Werkgelegenheid van 13 mei2024, nr. 2024-0000092805, tot wijziging van deArbeidsomstandighedenregeling in verband met de implementatie vanRichtlijn 2022/431

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SECTION 8. Exposure controls/personal protection ... / >

PRT	Portugal	Decreto-Lei n.º 102/2024, de 4 de dezembro. Sumário: Transpõe para a ordem jurídica interna a Diretiva (UE) 2022/431, relativa à proteção dos trabalhadores contra riscos ligados à exposição a agentes cancerígenos ou mutagénicos e procede à quarta alteração
POL	Polska	ROZPORZĄDZENIE MINISTRA RODZINY, PRACY I POLITYKI SPOŁECZNEJ z dnia 24 czerwca 2024 r. zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	HOTĂRÂRE nr. 179 din 28 februarie 2024 pentru modificarea și completarea Hotărârii Guvernului nr. 1.093/2006 privind stabilirea cerințelor minime de securitate și sănătate pentru protecția lucrătorilor împotriva riscurilor legate de expunerea la agenți ca
GBR EU	United Kingdom OEL EU	EH40/2005 Workplace exposure limits (Fourth Edition 2020) Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	ACGIH	ACGIH 2025

TALC

Threshold Limit Value

Type	Country	TWA/8h mg/m3	STEL/15min ppm	Remarks / Observations
VLA	ESP	2		RESP
TGG	NLD	0.25		RESP
NDS/NDSCh	POL	4		INHAL
NDS/NDSCh	POL	1		RESP
TLV	ROU	2		
WEL	GBR	1		RESP
ACGIH		2		RESP

TITANIUM DIOXIDE

Threshold Limit Value

Type	Country	TWA/8h mg/m3	STEL/15min ppm	Remarks / Observations
MAK	DEU	0.3	2.4	RESP Hinweis
VLA	ESP	10		
VLEP	FRA	10		
NDS/NDSCh	POL	10		INHAL
TLV	ROU	10	15	
WEL	GBR	10		INHAL
WEL	GBR	4		RESP
ACGIH		0.2		RESP

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Threshold Limit Value

Type	Country	TWA/8h mg/m3	STEL/15min ppm	Remarks / Observations
AGW	DEU	0.05	0.1	INHAL
AGW	DEU	0.05	0.1	SKIN
MAK	DEU	0.05	0.1	INHAL
MAK	DEU	0.05	0.1	SKIN

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE

(3:1)

Threshold Limit Value

Type	Country	TWA/8h mg/m3	STEL/15min ppm	Remarks / Observations
MAK	DEU	0.2	0.4	INHAL
NDS/NDSCh	POL	0.2	0.4	SKIN

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CALCIUM CARBONATE						Threshold Limit Value
Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks / Observations
VLEP	FRA	10				
NDS/NDSCh	POL	10				INHAL
ACGIH		10				INHAL
ACGIH		3				RESP

QUARTZ						Threshold Limit Value
Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks / Observations
VLA	ESP		0.05			RESP
VLEP	FRA	0.1				RESP
VLEP	ITA	0.1				RESP
TGG	NLD	0.075				RESP
VLE	PRT	0.025				RESP
NDS/NDSCh	POL	0.1				RESP
TLV	ROU	0.1				RESP
OEL	EU	0.1				RESP
ACGIH		0.025				RESP

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

Protect your hands with gloves of the following type:

Material: Nitrile rubber (NBR)

The following should be considered when choosing work glove material: compatibility, degradation, permeability time.

Thickness: 0.3 mm

Glove thickness must be selected based on the minimum required breakthrough time.

Breakthrough time: 30 min

Glove resistance depends on various elements, such as temperature and other environmental factors.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

RESPIRATORY PROTECTION

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	dense liquid	

SECTION 9. Physical and chemical properties ... / >

Colour	white		
Odour	mild		
Melting point / freezing point	not available		
Initial boiling point	> 100	°C	Substance:WATER Initial boiling point: 100 °C
Flammability	not flammable		
Lower explosive limit	not available		
Upper explosive limit	not available		
Flash point	> 60	°C	
Auto-ignition temperature	not available		
Decomposition temperature	not available		
pH	8		Method:ph meter
Kinematic viscosity	not available		
Dynamic viscosity	290 KcP		Method:Brookfield
Solubility	not available		
Partition coefficient: n-octanol/water	not available		
Vapour pressure	not available		
Density and/or relative density	1.4		Method:pycnometer
Relative vapour density	not available		
Particle characteristics	not applicable		

9.2. Other information**9.2.1. Information with regard to physical hazard classes**

Information not available

9.2.2. Other safety characteristics

Information not available

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

There are no particular risks of reaction with other substances in normal conditions of use.

CALCIUM CARBONATE

Decomposes at temperatures above 800°C/1472°F.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials**CALCIUM CARBONATE**

Incompatible with: acids.

10.6. Hazardous decomposition products**CALCIUM CARBONATE**

May develop: calcium oxides,carbon oxides.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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SECTION 11. Toxicological information ... / >>

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: Not classified (no significant component)
ATE (Oral) of the mixture: Not classified (no significant component)
ATE (Dermal) of the mixture: Not classified (no significant component)

TITANIUM DIOXIDE
LD50 (Oral): > 10000 mg/kg Rat

CALCIUM CARBONATE
LD50 (Oral): 6450 mg/kg Rat

TALC
LC50 (Inhalation mists/powders): > 2.1 mg/l/4h Rat

1,2-BENZISOTHIAZOLIN-3-ONE
LD50 (Dermal): > 2000 mg/kg Rat
LD50 (Oral): 450 mg/kg Rat
LC50 (Inhalation mists/powders): 0.21 mg/l/4h

2-OCTYL-2H-ISOTHIAZOL-3-ONE
LD50 (Dermal): 311 mg/kg
LD50 (Oral): 125 mg/kg Rat
LC50 (Inhalation mists/powders): 0.27 mg/l/4h Rat

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
LD50 (Dermal): 87.12 mg/kg Rabbit
LD50 (Oral): 457 mg/kg Rat
LC50 (Inhalation mists/powders): 0.171 mg/l/4h Rat

TERBUTRINA
ATE (Oral): 500 mg/kg estimate from table 3.1.2 of Annex I of the CLP

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
2-OCTYL-2H-ISOTHIAZOL-3-ONE

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SECTION 11. Toxicological information ... / >>

1,2-BENZISOTHIAZOLIN-3-ONE

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

TALC

Overall IARC evaluation: Perineal use of talc-based body powder is possibly carcinogenic to humans (Group 2B). Inhaled talc not containing asbestos or asbestiform fibres is not classifiable as to its carcinogenicity (Group 3).

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it has negative effects on the aquatic environment.

12.1. Toxicity

1,2-BENZISOTHIAZOLIN-3-ONE

LC50 - for Fish

2.15 mg/l/96h *Oncorhynchus mykiss*

EC50 - for Crustacea

2.9 mg/l/48h *Daphnia magna*

EC50 - for Algae / Aquatic Plants

0.11 mg/l/72h *Pseudokirchneriella subcapitata*

Chronic NOEC for Algae / Aquatic Plants

0.0403 mg/l *Pseudokirchneriella subcapitata*

2-OCTYL-2H-ISOTHIAZOL-3-ONE

EC50 - for Algae / Aquatic Plants

0.00129 mg/l/72h *Navicula pelliculosa*

EC10 for Algae / Aquatic Plants

0.000224 mg/l/72h *Navicula pelliculosa*

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

LC50 - for Fish

0.19 mg/l/96h *Oncorhynchus mykiss*

EC50 - for Crustacea

0.16 mg/l/48h *Daphnia magna*

EC50 - for Algae / Aquatic Plants

0.0052 mg/l/72h *Skeletonema costatum*

Chronic NOEC for Fish

0.02 mg/l *Danio rerio*

Chronic NOEC for Crustacea

0.1 mg/l *Daphnia magna*

Chronic NOEC for Algae / Aquatic Plants

0.00049 mg/l *Skeletonema costatum*

12.2. Persistence and degradability

TITANIUM DIOXIDE

Solubility in water

< 0.001 mg/l

Degradability: information not available

SECTION 12. Ecological information ... / >**CALCIUM CARBONATE**

Solubility in water 0,1 - 100 mg/l

TALC

Solubility in water < 0.1 mg/l

1,2-BENZISOTHIAZOLIN-3-ONE

Solubility in water 1288 mg/l

Rapidly degradable

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Solubility in water 500 mg/l

NOT rapidly degradable

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Solubility in water > 10000 mg/l

NOT rapidly degradable

12.3. Bioaccumulative potential**1,2-BENZISOTHIAZOLIN-3-ONE**

Partition coefficient: n-octanol/water 0.7

BCF 6.62

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Partition coefficient: n-octanol/water 2.61

BCF 19.21

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Partition coefficient: n-octanol/water 0.75

BCF < 54

12.4. Mobility in soil**1,2-BENZISOTHIAZOLIN-3-ONE**

Partition coefficient: soil/water 0.97

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Partition coefficient: soil/water 2.25

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

<u>Product</u>	<u>Point</u>	
Contained substance	3	
Point	75	TITANIUM DIOXIDE REACH Reg.: 01-2119489379-17-XXXX
Point	75	1,2-BENZISOTHIAZOLIN-3-ONE REACH Reg.: Biocida
Point	75	2-OCTYL-2H-ISOTHIAZOL-3-ONE REACH Reg.: Biocida
Point	75	REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
Point	75	CALCIUM CARBONATE

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

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Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

VOC (Directive 2004/42/EC) :

Exterior walls of mineral substrate.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1C	Skin corrosion, category 1C
Skin Corr. 1	Skin corrosion, category 1
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H302	Harmful if swallowed.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Use descriptor system:

ERC 2	Formulation into mixture
ERC 8a	Widespread use of non- reactive processing aid (no inclusion into or onto article, indoor)
ERC 8d	Widespread use of non- reactive processing aid (no inclusion into or onto article, outdoor)
LCS C	Consumer use
LCS F	Formulation or repacking
LCS IS	Use at industrial sites
LCS M	Manufacture
LCS PW	Widespread use by professional workers
PC 9a	Coatings and paints, thinners, paint removers
PROC 10	Roller application or brushing
PROC 11	Non industrial spraying
PROC 13	Treatment of articles by dipping and pouring
PROC 5	Mixing or blending in batch processes

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PROC 7	Industrial spraying
PROC 8a	Transfer of substance or mixture (charging and discharging) at non- dedicated facilities
PROC 8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC 9	Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
SU 19	Building and construction work

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in EESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707
24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)
27. Delegated Regulation (UE) 2024/2564 (XXII Atp. CLP)
28. Regulation (EU) 2024/2865

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- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

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

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

CALCULATION METHODS FOR CLASSIFICATION

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

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

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

Changes to previous review:

The following sections were modified:

03 / 08 / 11 / 16.