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# **Safety Data Sheet**

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

TRAVERTINO ROMANO Product name

UFI: PE20-30VC-K00R-60VA

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

Thick coating, based on sand, selected marble grains and matured lime Intended use

plaster.Professional and Commercial Use.

Uses advised against Uses other than those indicated

1.3. Details of the supplier of the safety data sheet

**OIKOS S.P.A. A SOCIO UNICO** Name

Full address Via Cherubini 2

**District and Country** 47043 **Gatteo Mare** (FC)

Italia

0547 681412 Tel Fax 0547 681430

e-mail address of the competent person

responsible for the Safety Data Sheet certificazioniprodotti@oikos-group.it

1.4. Emergency telephone number

For urgent inquiries refer to **NHS National Health Service 111** 

OIKOS S.P.A. a socio unico Company emergency number: 0547 681412 Technical support - Monday to Friday from 8.00-13.00; 13:30 to 16:30

#### 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

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:

Serious eye damage, category 1 Causes serious eye damage. Skin irritation, category 2 H315 Causes skin irritation.

### 2.2. Label elements

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

Hazard pictograms:



Signal words: Danger

Hazard statements:

H318 Causes serious eye damage.



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#### SECTION 2. Hazards identification .../>>

H315 Causes skin irritation.

**FUH208** Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one[EC no. 247-500-7] and Contains:

2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

May produce an allergic reaction.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves/ protective clothing / eye protection / face protection.

P302+P352 IF ON SKIN: wash with plenty of water / . .

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTER / doctor / . . . P310

P501 Dispose of contents / container in accordance with local regulation.

Contains: Calcium dihydroxide

VOC (Directive 2004/42/EC):

Decorative effect coatings.

VOC given in g/litre of product in a ready-to-use condition : 8,00 Limit value: 200.00

#### 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 x = Conc. % Classification (EC) 1272/2008 (CLP)

Calcium dihydroxide

 $15 \le x < 20$ Eve Dam. 1 H318, Skin Irrit, 2 H315, STOT SE 3 H335 INDEX

EC 215-137-3 CAS 1305-62-0 REACH Reg. 01-2119475151-45

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]

(3:1)

INDEX Acute Tox. 1 H330, Acute Tox. 2 H310, Acute Tox. 3 H301, Skin Corr. 1B 613-167-00-5  $0.00045 \le x < 0.0014$ 

H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=100,

Aquatic Chronic 1 H410 M=100

EC 611-341-5 Skin Corr. 1C H314: ≥ 0,6%, Skin Irrit. 2 H315: ≥ 0,06%, Skin Sens. 1 H317: ≥

0,0015%, Eye Irrit. 2 H319: ≥ 0,6%

55965-84-9 LD50 Oral: >64 mg/kg bw, STA Dermal: 50,001 mg/kg, STA Inhalation CAS

vapours: 0,05 mg/l

REACH Reg. 01-2120764691-48

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

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor



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#### SECTION 4. First aid measures .../>>

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

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

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

Information not available

# **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

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.



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## SECTION 7. Handling and storage .../>>

## 7.3. Specific end use(s)

Information not available

# **SECTION 8. Exposure controls/personal protection**

#### 8.1. Control parameters

Regulatory References:

DEU Deutschland Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und

Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung

gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56

ESP España Límites de exposición profesional para agentes químicos en España 2021

FRA France Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS

ITA Italia Decreto Legislativo 9 Aprile 2008, n.81

POL Polska Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające

rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych

dla zdrowia w środowisku pracy

GBR United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020)

EU OEL EU 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.

TLV-ACGIH ACGIH 2021

				Calcium	dihydroxide				
Thus a la a la la i saciá V	/alua			Calcium	ulliyuroxide				
Threshold Limit \									
Туре	Country	TWA/8h		STEL/15	min	Remarks / Ob	oservations		
		mg/m3	ppm	mg/m3	ppm				
MAK	DEU	1		2		INHAL			
VLA	ESP	1		4					
VLEP	FRA	1		4					
VLEP	ITA	1		4		RESP			
NDS/NDSCh	POL	2		6		INHAL			
NDS/NDSCh	POL	1		4		RESP			
WEL	GBR	5				INHAL			
WEL	GBR	1		4		RESP			
OEL	EU	1		4		RESP			
TLV-ACGIH		5							
Predicted no-effe	ct concentra	ation - PNEC							
Normal value in	n fresh water						0,49	mg/l	
Normal value in	n marine wate	er					0,32	mg/l	
Normal value for	or water, inte	rmittent release	)				0,49	mg/l	
Normal value o	f STP microc	organisms					3	mg/l	
Normal value for	or the terresti	rial compartmer	nt				1080	mg/kg	
Health - Derived I	no-effect lev	el - DNEL / DM	1EL						
		ects on consume				Effects on work	ers		
Pouto of ovnoc		ito Acuto		hronic	Chronic	Acuto	Acuto	Chronic	Chronic

• •	icaitii - Delivea ilo-elle	Ct icvei - Divi	LL / DIVILL						
		Effects on c	onsumers			Effects on worker	's		
	Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
		local	systemic	local	systemic	local	systemic	local	systemic
	Inhalation	4		1		4		1	
		mg/m3		mg/m3		mg/m3		mg/m3	



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

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]	10.
220-239-6] (3:1)	

Predicted no-effect concentration - PNEC		
Normal value in fresh water	3,39	μg/l
Normal value in marine water	3,39	μg/l
Normal value for fresh water sediment	27	μg/kg
Normal value for marine water sediment	27	μg/kg
Normal value of STP microorganisms	230	ua/l

Health - Derived no-effect level - DNFL / DMFL

Effects on consumers				Effects on workers			
Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
local	systemic	local	systemic	local	systemic	local	systemic
	110		90				
	μg/kg bw/d		μg/kg bw/d				
40	NPI	20	NPI	40	NPI	20	NPI
μg/m3		μg/m3		μg/m3		μg/m3	
	NPI	NPI	NPI		NPI	NPI	NPI
	Effects on Acute local	Acute         Acute           local         systemic           110         μg/kg bw/d           40         NPI           μg/m3         NPI	Effects on consumers	Effects on consumers           Acute         Acute         Chronic         Chronic           local         systemic         local         systemic           110         90         µg/kg bw/d           40         NPI         20         NPI           µg/m3         µg/m3	Effects on consumers         Effects on ward           Acute         Acute         Chronic         Chronic         Acute           local         systemic         local         systemic         local           110         90         µg/kg bw/d         µg/kg bw/d           40         NPI         20         NPI         40	Effects on consumers         Effects on workers           Acute         Acute         Chronic         Acute         Acute           local         systemic         local         systemic           110         90         µg/kg bw/d           40         NPI         20         NPI         40         NPI           µg/m3         µg/m3         µg/m3         NPI         µg/m3	Effects on consumers         Effects on workers           Acute         Acute         Chronic         Acute         Acute         Chronic           local         systemic         local         systemic         local           110         90         μg/kg bw/d         μg/kg bw/d           40         NPI         20         NPI         40         NPI         20           μg/m3         μg/m3         μg/m3         μg/m3         μg/m3

#### Legend:

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

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard; MED = medium hazard; HIGH = high hazard.

#### 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.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

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

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. SKIN PROTECTION

Wear category II 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 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, 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). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are

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. The protection provided by masks is in any case limited.

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.

# **SECTION 9. Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Information **Properties** Value Appearance pasty liquid Colour white

Hydraulic binder

Melting point / freezing point not available Initial boiling point 100 Flammability not flammable Lower explosive limit not applicable

@EPY 11.4.1 - SDS 1004.14



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## **SECTION 9. Physical and chemical properties**

Upper explosive limit Flash point

Auto-ignition temperature Decomposition temperature

Kinematic viscosity Dynamic viscosity Solubility

Partition coefficient: n-octanol/water

Vapour pressure

Density and/or relative density

Relative vapour density Particle characteristics

not applicable 60 °C not applicable not available 12,5-13,5 not available tixotropico Mixable in water not available not available

> 1,65 not available not applicable

> > g/litre

g/litre

#### 9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2004/42/EC): 0,07 % - 1,12 VOC (volatile carbon) 0,03 % - 0,57 Explosive properties not applicable

Oxidising properties not applicable

# **SECTION 10. Stability and reactivity**

#### 10.1. Reactivity

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

# 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

Information not available

# 10.6. Hazardous decomposition products

Information not available

# **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.

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

Metabolism, toxicokinetics, mechanism of action and other information



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# SECTION 11. Toxicological information .../>>

Calcium dihydroxide

**ABSORPTION** 

The primary effect of calcium diidide on health is local irritation caused by pH variation. Therefore, absorption is not a relevant parameter for the assessment of the effects of the substance.

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)

Calcium dihydroxide

> 2500 mg/kg Rabbit (OCSE 402) LD50 (Dermal): LD50 (Oral): > 2000 mg/kg Rat (OECD 425)

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]

LD50 (Dermal): 1008 mg/kg bw (rat)

STA (Dermal): 50,001 mg/kg estimate from table 3.1.2 of Annex I of the CLP

(figure used for calculation of the acute toxicity estimate of the mixture)

LD50 (Oral): > 64 mg/kg bw 64-561 (rat) LC50 (Inhalation vapours): > 171 mg/m3 171-2360 (rat)

#### SKIN CORROSION / IRRITATION

Causes skin irritation

Calcium dihydroxide Causes skin irritation

#### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

Calcium dihydroxide Causes severe eye injury

## RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Calcium dihydroxide

Does not meet the classification criteria for this danger class

#### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

Calcium dihydroxide

Reverse Bacterial Mutation Essay (Ames Test, OECD 471): Negative

Testing chromosomal aberrations on mammal cells: negative

Given that calcium is an omnipresene and essential element and that any variation of the lime-induced pH in watery means has no relevance, calcium dihydroxide is ovially devoidant of any genotoxic potential. Classification by function of genotoxicity is not justified.



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#### SECTION 11. Toxicological information .../>>

#### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

#### Calcium dihydroxide

Calcium (administered in the form of lactate) is not carcinogenic (experimental result, rat). The effect on pH on the product of calcium diid dioxide is free of any carcinogenic potential. classification on the basis of carcinogenicity is not justified.

#### REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

#### Calcium dihydroxide

Calcium (administered in the form of Ca carbonate) is not toxic for reproduction (experimental result, mouse). The effect on pH does not give rise to any reproductive risk. Human epidemiological data confirm that calcium diid dioxide is free of any potential toxicity. In both animal and clinical trials on different calcium salts, no effect has been identified on reproductive and developmental toxicity. v. also the Scientific Committee of Human Food (Anonymous, 2006). Therefore, calcium diidide is not toxic for reproduction and/or development.

Classification on the basis of reproductive toxicity according to Regulation 1272/2008 is not necessary.

#### STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Calcium dihydroxide It can irritate the airways

#### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

#### Calcium dihydroxide

The toxicity of calcium through the oral exposure pathway is demonstrated by the increase in maximum tolerable intake levels (UL) for adults determined by the Scientific Committee of Human Food (SCF), where UL-2500 mg/die, equal to 38 mg/kg of weight/die, equal to 38 mg/kg of weight/die (individual weighing 70 kg) for calcium.

The toxicity of Ca(OH)2 through contact with the skin is not considered relevant by virtue of the expected insignificant absorption through the skin and the fact that local irritation is the primary effect for health (pH variation).

The toxicity of Ca(OH)2 by inhalation (local effect, mucous irritation), taking into account an average time weighed for an 8-hour shift, was determined by the Scientific Committee for Occupational Exposure Limits (SCOEL) in 1 mg/m3 of breathable dust. Therefore, the classification of Ca(OH)2 on the basis of toxicity as a result of prolonged exposure is not necessarily

#### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

#### Calcium dihydroxide

Does not meet the classification criteria for this danger class

Calcium diidhydroxide is classified as irritating to the skin and airways, and carries the risk of serious eye injury. The limit of occupational exposure for the prevention of sensory irritation at the local level and the reduction of lung function parameters as effects is OEL (8 hours) - 1 mg/m3 of breathable dust.

#### 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.



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# **SECTION 12. Ecological information**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

## 12.1. Toxicity

Calcium dihydroxide

LC50 (96h) on sea fish: 457 mg/l

LC50 (96h) on sea invertebrates: 158 mg/l NOEC (72 hours) on freshwater algae: 48 mg/l TOXICITY ON MICROORGANISMS. ES BACTERIA

At high concentration, through temperature and pH rise, calcium diidhydxide is used for disinfection of sewer sludge.

NOEC (14 days) for sea invertebrates: 32 mg/l

EC10/LC10 or NOEC on soil macro-organisms: 2000 mg/kg soil dw EC10/LC10 or NOEC on soil microorganisms: 12000 mg/kg soil dw

NOEC (21 days) on terrestrial plants: 1080 mg/kg

**GENERAL EFFECT** 

Acute effect of pH. Although this substance is useful for correcting water acidity, excess over 1 g/l can be harmful to aquatic organisms. A value of pH> 12 will decrease rapidly and as a result of dilution and carbonation.

Calcium dihydroxide

LC50 - for Fish 50,6 mg/l/96h freshwater fish EC50 - for Crustacea 49,1 mg/l/48h invertebrate EC50 - for Algae / Aquatic Plants 184,57 mg/l/72h alga

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

 LC50 - for Fish
 > 190  $\mu$ g/l 190-330

 EC50 - for Crustacea
 > 7  $\mu$ g/l 7-160

 EC50 - for Algae / Aquatic Plants
 > 6,3  $\mu$ g/l 6,3-27,3

 Chronic NOEC for Fish
 46,4  $\mu$ g/l 35 days

 Chronic NOEC for Crustacea
 > 111  $\mu$ g/l 11.1-1050

# 12.2. Persistence and degradability

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Rapidly degradable

# 12.3. Bioaccumulative potential

Information not available

# 12.4. Mobility in soil

Calcium dihvdroxide

Calcium diidhydroxide is a moderately soluble substance and therefore has poor mobility in most soils.

#### 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



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# **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.

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

Product

Point 3 - 40
Contained substance

Point 75

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)

Non

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



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#### **SECTION 15. Regulatory information** ... / >>

None

Substances subject to the Rotterdam Convention:

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

VOC (Directive 2004/42/EC):

Decorative effect coatings.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 1: Low hazard to waters

#### 15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances Calcium dihydroxide

### **SECTION 16. Other information**

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

Acute Tox. 1 Acute toxicity, category 1 Acute Tox. 2 Acute toxicity, category 2 Acute toxicity, category 3 Acute Tox. 3 Skin Corr. 1B Skin corrosion, category 1B Serious eye damage, category 1 Eve Dam. 1 Skin Irrit. 2

Skin irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3

Skin Sens. 1 Skin sensitization, category 1

Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1 **Aquatic Chronic 1** Hazardous to the aquatic environment, chronic toxicity, category 1

H330 Fatal if inhaled.

H310 Fatal in contact with skin.

H301 Toxic if swallowed.

Causes severe skin burns and eye damage. H314

H318 Causes serious eye damage. H315 Causes skin irritation.

H335 May cause respiratory irritation. H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

#### 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 ESIS (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 as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level

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#### **SECTION 16. Other information** .../>>

- 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 as for REACH Regulation
- 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)
- 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
- FCHA 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:

01 / 02 / 03 / 09 / 11 / 12 / 15 / 16.