OIKOS

# OIKOS S.P.A. A SOCIO UNICO

**ECOSMALTO THERMO** 

Revision nr.10 Dated 12/12/2022 Printed on 14/12/2022 Page n. 1 / 12 Replaced revision:9 (Dated 15/06/2020) ΕN

Safety Data Sheet According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH					
SECTION 1. Identific	cation of the su	bstance/mix	ture and of the o	company/undertaking	
1.1. Product identifier					
Product name		ECOSMALT	O THERMO		
1.2. Relevant identified uses	s of the substance o	r mixture and use	es advised against		
Intended use		Water based	l, acrylic enamel for iro	on radiators.	
Uses advised against Us	es other than those i	ndicated			
1.3. Details of the supplier of	of the safety data she	eet			
Name Full address District and Country e-mail address of the com responsible for the Safety 1.4. Emergency telephone r	Data Sheet	Via Cherubii 47043 Tel. Fax	A. A SOCIO UNICO ni 2 Gatteo Mare Italia 0547 681412 0547 681430 niprodotti@oikos-grou	(FC) D.it	
		NUC Nation	al Usalth Carrias 111		
	For urgent inquiries refer to NHS National Health Service 111				
OIKOS S.P.A. a socio uni Technical support - Mono					
SECTION 2. Hazards identif	ication				
2.1. Classification of the su	bstance or mixture				
The product is not classifie However, since the produc data sheet with appropriate Hazard classification and i	ct contains hazardous e information, complia	substances in cor	ncentrations such as to b	lation 1272/2008 (CLP). e declared in section no. 3, it requires a safety	
2.2. Label elements					
Hazard labelling pursuant	to EC Regulation 1272	2/2008 (CLP) and	subsequent amendmer	ts and supplements.	
Hazard pictograms:					
Signal words:					
Hazard statements: EUH210 EUH208		Reaction mass of 2-methyl-2H-isoth 1,2-benzisothiazo	5-chloro-2-methyl-2H-is iazol-3-one [EC no. 220	othiazol-3-one[EC no. 247-500-7] and -239-6] (3:1)	
Precautionary statements:					
VOC (Directive 2004/42/E One - pack performance c VOC given in g/litre of proc	oatings.	condition -	40.00		
	addin a ready-to-use		+0,00		

# OIKOS

# OIKOS S.P.A. A SOCIO UNICO ECOSMALTO THERMO

ΕN

#### SECTION 2. Hazards identification ... / >> Limit value: 140,00 2.3. Other hazards On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%. The product does not contain substances with endocrine disrupting properties in concentration $\geq 0.1\%$ . **SECTION 3. Composition/information on ingredients** 3.2 Mixtures Contains: Identification x = Conc. % Classification (EC) 1272/2008 (CLP) (2-methoxymethylethoxy)propanol INDFX $0,5 \le x < 1,5$ Substance with a community workplace exposure limit. 252-104-2 EC CAS 34590-94-8 REACH Reg. 01-2119450011-60 1,2-benzisothiazol-3(2H)-one 613-088-00-6 $0,024 \le x < 0,03$ Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, INDEX Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411 EC 220-120-9 Skin Sens. 1 H317: ≥ 0,05% LD50 Oral: >490 mg/kg bw, STA Inhalation mists/powders: 0,051 mg/l, STA CAS 2634-33-5 Inhalation vapours: 0,501 mg/l REACH Reg. 01-2120761540-60 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 613-167-00-5 $0.00015 \le x < 0.0011$ Acute Tox, 1 H330, Acute Tox, 2 H310, Acute Tox, 3 H301, Skin Corr, 1B H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100 611-341-5 EC Skin Corr. 1C H314: ≥ 0,6%, Skin Irrit. 2 H315: ≥ 0,06%, Skin Sens. 1 H317: ≥ 0,0015%, Eye Irrit. 2 H319: ≥ 0,6% CAS 55965-84-9 LD50 Oral: >64 mg/kg bw, STA Dermal: 50,001 mg/kg, STA Inhalation 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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

# 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



# **ECOSMALTO THERMO**

# SECTION 5. Firefighting measures ... / >>

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.

# 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

			(	2-methoxymeth	ylethoxy)prop	banol			
hreshold Limit V	/alue								
Туре	Country	TWA/8h		STEL/15	min	Remarks /	Observations		
	-	mg/m3	ppm	mg/m3	ppm				
AGW	DEU	310	50	310	50				
MAK	DEU	310	50	310	50				
VLA	ESP	308	50			SKIN			
VLEP	FRA	308	50			SKIN			
VLEP	ITA	308	50			SKIN			
NDS/NDSCh	POL	240		480		SKIN			
WEL	GBR	308	50			SKIN			
OEL	EU	308	50			SKIN			
TLV-ACGIH			50						
redicted no-effe	ct concentra	ation - PNE	С						
Normal value in	fresh water						19	mg/l	
Normal value in marine water							1,9	mg/l	
Normal value for fresh water sediment							70,2	mg/kg	
Normal value for marine water sediment							7,02	mg/kg	
Normal value for water, intermittent release						190	mg/l		
Normal value of STP microorganisms						4168	mg/l		
Normal value for the terrestrial compartment						2,74	mg/kg		
ealth - Derived r	no-effect lev	el - DNEL /	DMEL						
	Effe	cts on consu	umers			Effects on w	orkers		
Route of expos	ure Acu	te Aci	ute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	loca	l sys	stemic	local	systemic	local	systemic	local	systemic
Oral				VND	36				
					mg/kg bw/d				
Inhalation				VND	37,2			VND	308
					mg/m3				mg/m3
Skin				VND	121			VND	283
					mg/kg bw/d				mg/kg
									bw/d



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

220-239-6] (3:	,							
edicted no-effect cor	ncentration	- PNEC						
Normal value in fresh water Normal value in marine water Normal value for fresh water sediment Normal value for marine water sediment					3,39	µg/l		
					3,39	µg/l		
					27	µg/kg		
					27	µg/kg		
Normal value of STP	microorgani	sms				230	µg/l	
ealth - Derived no-eff	ect level - D	NEL / DMEL						
	Effects or	n consumers			Effects on w	orkers		
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral		110		90				
		µg/kg bw/d		µg/kg bw/d				
Inhalation	40	NPI	20	NPI	40	NPI	20	NPI
	µg/m3		µg/m3		µg/m3		µg/m3	
Skin		NPI	NPI	NPI		NPI	NPI	NPI
			10 handles	thiazol-3(2H)-o				
adiated no offect co	contration	DNEC	1,2-benziso	uniazoi-3(2n)-0	ne			
edicted no-effect con		- PNEC	1,2-Denziso	uniazoi-3(2n)-0	ne	4.02	ug/l	
Normal value in fresh	n water	- PNEC	1,2-benziso	(mazoi-3(2n)-0	ne	4,03	µg/l	
Normal value in fresh Normal value in mari	n water ne water		1,2-Denziso	uniazoi-3(zn)-0	ne	403	ng/l	
Normal value in fresh Normal value in marin Normal value for fres	n water ne water h water sedii	ment	1,2-Denziso	uniazoi-3(2n)-0	ne	403 49,9	ng/l µg/kg	
Normal value in fresh Normal value in marin Normal value for fres Normal value for mar	n water ne water h water sedii ine water se	ment diment	1,2-Denziso	uniazoi-3(zn)-0	ne	403 49,9 4,99	ng/l µg/kg µg/kg	
Normal value in fresh Normal value in marin Normal value for fres Normal value for mar Normal value of STP	n water ne water h water sedir ine water se microorgania	ment diment sms	1,2-Denziso	uniazoi-3(zn)-0	ne	403 49,9	ng/l µg/kg	
Normal value in fresh Normal value in marin Normal value for fres Normal value for mar	n water ne water h water sedir ine water sed microorgani <b>ect level - D</b>	ment diment sms <b>NEL / DMEL</b>	1,2-Denziso	uniazoi-3(zn)-0		403 49,9 4,99 1,03	ng/l µg/kg µg/kg	
Normal value in fresh Normal value in marin Normal value for fres Normal value for mar Normal value of STP ealth - Derived no-eff	n water ne water h water sedii rine water se microorgani <b>fect level - D</b> Effects or	ment diment sms <b>NEL / DMEL</b> n consumers			Effects on w	403 49,9 4,99 1,03 orkers	ng/l µg/kg µg/kg mg/l	
Normal value in fresh Normal value in marin Normal value for fres Normal value for mar Normal value of STP	n water ne water h water sedii rine water se microorgani <b>sect level - D</b> Effects or Acute	ment diment sms <b>NEL / DMEL</b> n consumers Acute	Chronic	Chronic	Effects on w Acute	403 49,9 4,99 1,03 orkers Acute	ng/l µg/kg µg/kg mg/l Chronic	Chronic
Normal value in fresh Normal value in marin Normal value for fres Normal value for mar Normal value of STP ealth - Derived no-eff Route of exposure	n water ne water h water sedii rine water se microorgani <b>fect level - D</b> Effects or	ment diment sms <b>NEL / DMEL</b> n consumers		Chronic systemic	Effects on w	403 49,9 4,99 1,03 orkers	ng/l µg/kg µg/kg mg/l	systemic
Normal value in fresh Normal value in marin Normal value for fres Normal value for mar Normal value of STP ealth - Derived no-eff	n water ne water h water sedii rine water se microorgani <b>sect level - D</b> Effects or Acute	ment diment sms <b>NEL / DMEL</b> n consumers Acute	Chronic	Chronic	Effects on w Acute	403 49,9 4,99 1,03 orkers Acute	ng/l µg/kg µg/kg mg/l Chronic	

345

µg/kg bw/d

Skin

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.

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 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 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 A 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 required.

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

966

µg/kg bw/d



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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

Properties		Value
Appearance		pasty liquid
Colour		white
Odour		Feeble
Melting point / freezing point		not available
Initial boiling point		not applicable
Flammability		not flammable
Lower explosive limit		not applicable
Upper explosive limit		not applicable
Flash point	>	60 °C
Auto-ignition temperature		not applicable
Decomposition temperature		not available
рН		8,5-9,5
Kinematic viscosity		not available
Dynamic viscosity		12000 cps
Solubility		Mixable in water
Partition coefficient: n-octanol/water		not available
Vapour pressure		not available
Density and/or relative density		1,25
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

VOC (Directive 2004/42/EC) : VOC (volatile carbon) Explosive properties Oxidising properties 4,21 % - 52,57 1,96 % - 24,46 not applicable not applicable g/litre

g/litre

**SECTION 10. Stability and reactivity** 

# 10.1. Reactivity

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

(2-methoxymethylethoxy)propanol

Forms peroxides with: air.

# 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.

(2-methoxymethylethoxy)propanol May react violently with: strong oxidising agents.

# 10.4. Conditions to avoid

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

(2-methoxymethylethoxy)propanol

#### Information



## SECTION 10. Stability and reactivity ... / >>

Avoid exposure to: sources of heat.Possibility of explosion. **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

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

(2-methoxymethylethoxy)propanol LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):

9510 mg/kg rabbit > 5000 mg/kg rat 275 mg/l/7h rat

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)

LD50 (Dermal): STA (Dermal):

LD50 (Oral): LC50 (Inhalation vapours):

1,2-benzisothiazol-3(2H)-one LD50 (Dermal): LD50 (Oral): 1008 mg/kg bw (rat) 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) > 64 mg/kg bw 64-561 (rat) > 171 mg/m3 171-2360 (rat)

2000 mg/kg bw (rat) > 490 mg/kg bw 490-670 (rat)

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.



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

Contains:

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) 1,2-benzisothiazol-3(2H)-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

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**

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

(2-methoxymethylethoxy)propanol	
LC50 - for Fish	> 1000 mg/l/96h Poecilia reticulata
EC50 - for Crustacea	1919 mg/l/48h
EC50 - for Algae / Aquatic Plants	6999 mg/l/72h Skeletonema costatum
Reaction mass of 5-chloro-2-methyl-2H-isothia	azol-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 µg/l 190-330
EC50 - for Crustacea	> 7 µg/l 7-160
EC50 - for Algae / Aquatic Plants	> 6,3 µg/l 6,3-27,3
Chronic NOEC for Fish	46,4 μg/l 35 days
Chronic NOEC for Crustacea	> 111 µg/l 11.1-1050
1,2-benzisothiazol-3(2H)-one	
LC50 - for Fish	> 2,15 mg/l 2,15-22
EC50 - for Crustacea	> 2,9 mg/l 2,9-2,94
EC50 - for Algae / Aquatic Plants	> 70 µg/l 70-150
Chronic NOEC for Algae / Aquatic Plants	> 40,3 µg/l 40-55
12.2. Persistence and degradability	
(2-methoxymethylethoxy)propanol	
Solubility in water Rapidly degradable	1000 - 10000 mg/l
Reaction mass of 5-chloro-2-methyl-2H-isothia Rapidly degradable	azol-3-one[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
1,2-benzisothiazol-3(2H)-one	

# SECTION 12. Ecological information ... / >>

Rapidly degradable

### 12.3. Bioaccumulative potential

Information not available

### 12.4. Mobility in soil

Information not available

# 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  $\geq$  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. Neat product residues should be considered special non-hazardous waste. 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 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 $\geq$ than 0,1%.		
Substances subject to authorisation (Annex XIV REACH) None		
None		
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) : One - pack performance coatings.		
one proception and obtaining.		
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 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. 1	Acute toxicity, category 1
Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
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
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H330	Fatal if inhaled.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.



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SECTION 16. Other information ... / >>

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

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
- 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)
- 15. Regulation (EU) 2019/521 (All Alp. ULP)
- 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
- ECHA website



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

- 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: 02 / 03 / 08 / 09 / 11 / 12 / 15 / 16.