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SECTION 2. Hazards identification ... / >>				
Precautionary statements: --				
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				
3.1. Substances				
Information not relevant				
3.2. Mixtures				
Contains:				
Identification		x = Conc. %	Classification (EC) 1272/2008 (CLP)	
(2-methoxymethylethoxy)propanol				
INDEX		5 ≤ x < 7	Substance with a community workplace exposure limit.	
EC	252-104-2			
CAS	34590-94-8			
REACH Reg.	01-2119450011-60			
Titanium dioxide				
INDEX		2 ≤ x < 3		
EC	236-675-5			
CAS	13463-67-7			
REACH Reg.	01-2119489379-17			
1,2-benzisothiazol-3(2H)-one				
INDEX	613-088-00-6	0.02 ≤ x < 0.036	Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1 Skin Sens. 1 H317: ≥ 0.036% LD50 Oral: 490 mg/kg, ATE Inhalation mists/powders: 0.051 mg/l	
EC	220-120-9			
CAS	2634-33-5			
REACH Reg.	01-2120761540-60			
2-methyl-2H-isothiazol-3-one				
INDEX	613-326-00-9	0 < x < 0.0015	Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1, EUH071 Skin Sens. 1A H317: ≥ 0.0015% LD50 Oral: 120 mg/kg, LD50 Dermal: 242 mg/kg, LC50 Inhalation mists/powders: 0.11 mg/l/4h	
EC	220-239-6			
CAS	2682-20-4			
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 < x < 0.0015	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 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% LD50 Oral: 64 mg/kg, LD50 Dermal: 87.12 mg/kg, LC50 Inhalation mists/powders: 0.33 mg/l/4h	
EC	611-341-5			
CAS	55965-84-9			
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 are expected that would require the implementation of special first aid measures.				
The following information is practical indications of correct behavior in case of contact with a chemical product, even if it is not dangerous.				
If in doubt or if you experience symptoms, contact a doctor and show him this document.				
In case of more serious symptoms, call the emergency number to obtain immediate medical help.				
EYES: Remove any contact lenses. Wash thoroughly with warm water for at least 15 minutes, opening the eyelids wide. Consult a doctor if				
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the problem persists. SKIN: Wash with soap and water. If irritation persists, consult a doctor. INHALATION: Move the subject to fresh air. If breathing is difficult, call a doctor immediately. INGESTION: Consult a doctor immediately. Induce vomiting only when advised by your doctor. Do not administer anything orally if the subject is unconscious and unless authorized by the doctor. <u>Rescuer protection</u> It is good practice for the rescuer who provides help to a person who has been exposed to a substance chemical or a mixture, wear personal protective equipment. The nature of those protections depends on the hazard of the substance or mixture, the mode of exposure and the extent of the exposure contamination. In the absence of other more specific indications, it is recommended to use gloves disposable in case of possible contact with biological liquids. For the type of PPE suitable for characteristics of the substance or mixture, refer to section 8. 4.2. Most important symptoms and effects, both acute and delayed May cause an allergic reaction. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. <u>Means to have available in the workplace for specific and immediate treatment</u> Water for skin and eye washing.			
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.			
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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)

The intended uses are indicated in Section 1. No other particular end uses are foreseen.

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
DNK	Danmark	BEK nr 291 af 19/03/2024 (Historisk) Bekendtgørelse om grænseværdier for stoffer og materialer (kemiske agenser) i arbejdsmiljøet
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
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÄRDSMINISTERIETS PUBLIKATIONER 2020:25
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
HRV	Hrvatska	PRAVILNIK O IZMJENAMA I DOPUNAMA PRAVILNIKA O ZAŠTITI RADNIKA OD IZLOŽENOSTI OPASNIM KEMIČALIJAMA NA RADU, GRANIČNIM VRIJEDNOSTIMA IZLOŽENOSTI I BIOLOŠKIM GRANIČNIM VRIJEDNOSTIMA
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NOR	Norge	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. 10. april 2024 kl. 13.55
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
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
RUS	Россия	ПОСТАНОВЛЕНИЕ от 13 февраля 2018 г. N 25 ОБ УТВЕРЖДЕНИИ ГИГИЕНИЧЕСКИХ НОРМАТИВОВ ГН 2.2.5.3532-18 "ПРЕДЕЛЬНО ДОПУСТИМЫЕ КОНЦЕНТРАЦИИ (ПДК) ВРЕДНЫХ ВЕЩЕСТВ В ВОЗДУХЕ РАБОЧЕЙ ЗОНЫ"
SWE	Sverige	Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön
SVK	Slovensko	121_2024 Z. z. Nariadenie vlády o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym, mutagénnym alebo reprodukčne toxickým faktorom pri práci
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti rakotvornim, mutagenim ali reprotoksičnim snovem pri delu. Ljubljana, četrtek 4. 4. 2024

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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.								
	ACGIH	ACGIH 2025								
1,2-benzisothiazol-3(2H)-one										
Predicted no-effect concentration - PNEC										
Normal value in fresh water				0.00403			mg/l			
Normal value in marine water				0.00040			mg/l			
				3						
Normal value for fresh water sediment				0.0499			mg/kg/d			
Normal value for marine water sediment				0.00499			mg/kg/d			
Normal value for fresh water, intermittent release				0.0011			mg/l			
Normal value for marine water, intermittent release				0.00011			mg/l			
Normal value of STP microorganisms				1.03			mg/l			
Health - Derived no-effect level - DNEL / DMEL										
Route of exposure	Effects on consumers				Effects on workers					
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic		
Oral		NPI		NPI						
Inhalation	NPI	NPI	NPI	1.2 mg/m3	NPI	NPI	NPI	6.81 mg/m3		
Skin	HIGH	NPI	HIGH	0.345 mg/kg bw/d	HIGH	NPI	HIGH	0.966 mg/kg bw/d		
2-methyl-2H-isothiazol-3-one										
Threshold Limit Value										
Type	Country	TWA/8h		STEL/15min		Remarks / Observations				
		mg/m3	ppm	mg/m3	ppm					
AGW	DEU	0.2		0.4		INHAL				
MAK	DEU	0.2		0.4		INHAL				
Predicted no-effect concentration - PNEC										
Normal value in fresh water				0.00339			mg/l			
Normal value in marine water				0.00339			mg/l			
Normal value for fresh water sediment				NPI						
Normal value for marine water sediment				NPI						
Normal value for fresh water, intermittent release				0.00339			mg/l			
Normal value for marine water, intermittent release				0.00339			mg/l			
Normal value of STP microorganisms				0.23			mg/l			
Normal value for the terrestrial compartment				0.047			mg/kg			
Normal value for the atmosphere				NPI						
Health - Derived no-effect level - DNEL / DMEL										
Route of exposure	Effects on consumers				Effects on workers					
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic		
Oral		0.053 mg/kg bw/d		0.027 mg/kg bw/d						
Inhalation	0.043 mg/m3	NPI	0.021 mg/m3	NPI	0.043 mg/m3	NPI	0.021 mg/m3	NPI		
Skin	MED	NPI	NPI	NPI	MED	NPI	NPI	NPI		
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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	ppm	STEL/15min mg/m3	ppm	Remarks / Observations				
MAK	DEU	0.2		0.4		INHAL				
Predicted no-effect concentration - PNEC										
Normal value in fresh water						0.00339	mg/l			
Normal value in marine water						0.00339	mg/l			
Normal value for fresh water sediment						0.027	mg/kg			
Normal value for marine water sediment						0.027	mg/kg			
Normal value for fresh water, intermittent release						0.00339	mg/l			
Normal value for marine water, intermittent release						0.00339	mg/l			
Normal value of STP microorganisms						0.23	mg/l			
Normal value for the terrestrial compartment						0.01	mg/kg			
Normal value for the atmosphere						NPI				
Health - Derived no-effect level - DNEL / DMEL										
Route of exposure	Effects on consumers				Effects on workers					
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic		
Oral		0.11 mg/kg bw/d		0.09 mg/kg bw/d						
Inhalation	0.04 mg/m3	NPI	0.02 mg/m3	NPI	0.04 mg/m3	NPI	0.02 mg/m3	NPI		
Skin	MED	NPI	NPI	NPI	MED	NPI	NPI	NPI		

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(2-methoxymethylethoxy)propanol								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	310	50	310	50			
MAK	DEU	310	50	310	50			
TLV	DNK	309	50	618	100	SKIN	E	
VLA	ESP	308	50			SKIN		
VLEP	FRA	308	50			SKIN		
HTP	FIN	310	50			SKIN		
AK	HUN	308						
GVI/KGVI	HRV	308	50			SKIN		
VLEP	ITA	308	50			SKIN		
TLV	NOR	300	50			SKIN		
TGG	NLD	300	48.7					
VLE	PRT	308	50			SKIN		
NDS/NDSch	POL	240		480		SKIN		
TLV	ROU	308	50			SKIN		
NGV/KGV	SWE	300	50	450 (C)	75 (C)	SKIN		
NPEL	SVK	308	50			SKIN		
MV	SVN	308	50			SKIN		
WEL	GBR	308	50			SKIN		
OEL	EU	308	50			SKIN		
ACGIH			50					
Predicted no-effect concentration - PNEC								
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 fresh water, intermittent release						190	mg/l	
Normal value of STP microorganisms						4168	mg/l	
Normal value for the terrestrial compartment						2.74	mg/kg	
Normal value for the atmosphere						NPI		
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NPI		36 mg/kg bw/d				
Inhalation	NPI	NPI	NPI	37.2 mg/m3	NPI	NPI	NPI	308 mg/m3
Skin	NPI	NPI	NPI	121 mg/kg bw/d	NPI	NPI	NPI	283 mg/kg bw/d

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Titanium dioxide								
Threshold Limit Value								
Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks / Observations		
AGW	DEU	0.3				RESP		
MAK	DEU	0.3				RESP		
TLV	DNK	6		12		Som Ti		
VLA	ESP	10						
VLEP	FRA	11						
GVI/KGVI	HRV	10				INHAL		
GVI/KGVI	HRV	4				RESP		
TLV	NOR	5						
NDS/NDSch	POL	10				INHAL		
TLV	ROU	10		15				
ПДК	RUS	10				a, Φ		
NGV/KGV	SWE	5				Totaldamm		
NPEL	SVK	5						
WEL	GBR	10				INHAL		
WEL	GBR	4				RESP		
ACGIH		2.5				RESP		
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic NPI	Chronic local	Chronic systemic NPI	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral								
Inhalation	NPI	NPI	0.21 mg/m3	NPI	NPI	NPI	1.25 mg/m3	NPI
Skin	NPI	NPI	NPI	NPI	NPI	NPI	NPI	NPI

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.

HAND PROTECTION
In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).
Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION
None required.

EYE PROTECTION
None required.

RESPIRATORY PROTECTION
None required, unless indicated otherwise in the chemical risk assessment.

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

Properties	Value	Information
Appearance	liquid	
Colour	various	
Odour	characteristic	
Melting point / freezing point	not available	
Initial boiling point	not available	
Flammability	not available	
Lower explosive limit	not available	Reason for missing data:The product does not have explosive properties

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Upper explosive limit	not available	Reason for missing data:The product does not have explosive properties		
Flash point	not available	Reason for missing data:The product is not flammable up to 100°C		
Auto-ignition temperature	not available			
Decomposition temperature	not available			
pH	7 - 8.5	Temperature: 25 °C		
Kinematic viscosity	not available			
Solubility	miscible in water			
Partition coefficient: n-octanol/water	not available			
Vapour pressure	not available			
Density and/or relative density	1 - 1.1 g/cm3	Temperature: 25 °C		
Relative vapour density	not available			
Particle characteristics	not applicable			
Supplementary information for nanoforms				
SILICON DIOXIDE				
Denomination	Silicon dioxide, chemically prepared			
Shape 1:				
Shape name	nanoform			
Category	spheroidal			
Shape	spherical			
Crystallinity				
Crystalline structure 1:				
Structure	amorphous			
Surface functionalisation / treatment				
Surface treatments 1:				
Surface treatment applied	no			
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 2010/75/EU)	9.31 %	-	93.41	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				
Avoid exposure to: sources of heat.Possibility of explosion.				
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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				
<u>Metabolism, toxicokinetics, mechanism of action and other information</u>				
Information not available				
<u>Information on likely routes of exposure</u>				
Information not available				
<u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u>				
Information not available				
<u>Interactive effects</u>				
Information not available				
<u>ACUTE TOXICITY</u>				
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)		
(2-methoxymethylethoxy)propanol				
LD50 (Dermal):		9510 mg/kg Rabbit		
LD50 (Oral):		5660 mg/kg Rat		
Titanium dioxide				
LD50 (Oral):		> 5000 mg/kg Rat		
LC50 (Inhalation mists/powders):		> 6.82 mg/l/4h Rat		
1,2-benzisothiazol-3(2H)-one				
LD50 (Dermal):		> 2000 mg/kg Rat		
LD50 (Oral):		490 mg/kg Rat		
2-methyl-2H-isothiazol-3-one				
LD50 (Dermal):		242 mg/kg Rat		
LD50 (Oral):		120 mg/kg Rat		
LC50 (Inhalation mists/powders):		0.11 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):		64 mg/kg Rat		
LC50 (Inhalation mists/powders):		0.33 mg/l/4h Rat		
<u>SKIN CORROSION / IRRITATION</u>				
Does not meet the classification criteria for this hazard class				
<u>SERIOUS EYE DAMAGE / IRRITATION</u>				
Does not meet the classification criteria for this hazard class				
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SECTION 11. Toxicological information ... / >>			
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-methyl-2H-isothiazol-3-one 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			
1,2-benzisothiazol-3(2H)-one LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Algae / Aquatic Plants 2-methyl-2H-isothiazol-3-one LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Fish Chronic NOEC for Crustacea Chronic NOEC for Algae / Aquatic Plants reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Fish Chronic NOEC for Crustacea Chronic NOEC for Algae / Aquatic Plants			
2.15 mg/l/96h Oncorhynchus mykiss 2.9 mg/l/48h Daphnia magna 0.11 mg/l/72h Selenastrum capricornutum 0.0403 mg/l Selenastrum capricornutum 4.77 mg/l/96h Oncorhynchus mykiss 0.934 mg/l/48h Daphnia magna 0.103 mg/l/72h Selenastrum capricornutum 4.93 mg/l Oncorhynchus mykiss 0.044 mg/l Daphnia magna 0.05 mg/l Selenastrum capricornutum 0.19 mg/l/96h Oncorhynchus mykiss 0.16 mg/l/48h Daphnia Magna 0.037 mg/l/72h Skeletonema costatum 0.02 mg/l Danio rerio 0.1 mg/l Daphnia Magna 0.004 mg/l Skeletonema costatum			
12.2. Persistence and degradability			

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SECTION 12. Ecological information ... / >>			
(2-methoxymethylethoxy)propanol			
Solubility in water		1000 - 10000 mg/l	
Rapidly degradable			
Titanium dioxide			
Solubility in water		< 0.001 mg/l	
Degradability: information not available			
1,2-benzisothiazol-3(2H)-one			
Solubility in water		1288 mg/l	
Rapidly degradable			
2-methyl-2H-isothiazol-3-one			
Solubility in water		489000 mg/l	
Degradability: information not available			
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)			
Solubility in water		3000000 mg/l	
Inherently degradable			
12.3. Bioaccumulative potential			
(2-methoxymethylethoxy)propanol			
Partition coefficient: n-octanol/water		0.004	
1,2-benzisothiazol-3(2H)-one			
Partition coefficient: n-octanol/water		0.7	
BCF		6.62	
2-methyl-2H-isothiazol-3-one			
Partition coefficient: n-octanol/water		-0.486	
BCF		5.75	
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-benzisothiazol-3(2H)-one			
Partition coefficient: soil/water		0.97	
2-methyl-2H-isothiazol-3-one			
Partition coefficient: soil/water		-24.54	
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. 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.			
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			
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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			
Point40			
Contained substance			
Point75			
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			
Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:			
None			
Substances subject to the Rotterdam Convention:			
None			

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SECTION 15. Regulatory information ... / >>

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

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
Skin Corr. 1B	Skin corrosion, category 1B
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
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H302	Harmful if swallowed.
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.
EUH071	Corrosive to the respiratory tract.
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
- 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.

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SECTION 16. Other information ... / >>

- 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
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12. Regulation (EU) 2016/1179 (IX Atp. CLP)
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- 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:

02 / 03 / 08 / 09 / 11 / 12 / 13 / 16.