This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008



Revision date: 14-Mar-2022 Print Date: 13-Jan-2023 Revision Number: 1

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

1.1. Product identifier

Product Name:	MEGA 258 Grundierweiß
Article number:	071730540514

UFI:

M5QT-1N07-RN0V-0H6A

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

Product categories [PC]: PC9 - Coatings and paints, fillers, putties, thinners

1.3. Details of the supplier of the safety data sheet

Supplier:	MEGA eG Fangdieckstrasse 45 D - 22547 Hamburg Telefon: +49 40/ 54004-0 Telefax: +49 40/ 54004-9 www.mega.de
Responsibility Statement:	Department productsector paints and coatings Telephone: 040 54004-528
E-mail address	technik@mega.de

1.4. Emergency telephone number

Emergency Telephone:

+49 40 / 54004 - 528 (Mo. - Tue. 7.15 - 16.30 Uhr, Fr. bis 12.00 Uhr)

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112
Austria	+43 1 406 43 43 (Giftinformationszentrale)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin sensitization	Category 1A - (H317)

2.2. Label elements



Signal word: Warning

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Hazard components for labeling:

Contains 3(2H)-Isothiazolone, 2-methyl-, 1,2-Benzisothiazol-3(2H)-one, 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone

Hazard statements:

H317 - May cause an allergic skin reaction.

EU Specific Hazard Statements:

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary Statements - EU (§28, 1272/2008):

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

P102 - Keep out of reach of children

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P280 - Wear protective gloves

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	CAS No	EC No (EU Index No)	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
Calcium carbonate	471-34-1	207-439-9	-		25 - < 50
Talc (Mg3H2(SiO3)4)	14807-96-6	238-877-9	-		5 - < 10
Titanium dioxide	13463-67-7	() 236-675-5	01-2119489379-17		5 - < 10
2-Bromo-2-nitro-1,3-propanedi ol	52-51-7	200-143-0	01-2119980938-15	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	0.01 - < 0.05
3(2H)-Isothiazolone, 2-methyl-	2682-20-4	220-239-6	01-2120764690-50	Acute Tox. 3 (H301) Acute Tox. 3 (H301) Skin Corr. 1B (H314) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	0.005 - < 0.01
5-Chloro-2-methyl-3(2H)-isothi azolone, mixture with	55965-84-9	611-341-5 911-418-6	01-2120764691-48	Acute Tox. 3 (H301) Acute Tox. 2 (H310)	0.001 - < 0.005

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-methyl-3(2H)-isothiazolone	Skin Corr. 1B (H314)
	Skin Sens. 1A (H317)
	Eye Dam. 1 (H318)
	Acute Tox. 2 (H330)
	Aquatic Acute 1 (H400)
	Aquatic Chronic 1 (H410)
	(EUH071)

Chemical name	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
2-Bromo-2-nitro-1,3-propanediol 52-51-7		10	1	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	Skin Sens. 1A :: C>=0.0015%	10	1	
5-Chloro-2-methyl-3(2H)-isothiazolon e, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	Skin Corr. 1C :: C>=0.6% Skin Irrit. 2 :: 0.06%<=C<0.6% Eye Dam. 1 :: C>=0.6% Eye Irrit. 2 :: 0.06%<=C<0.6% Skin Sens. 1A :: C>=0.0015%	100	100	

Acute Toxicity Estimate:

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg		Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
			mg/L		
Calcium carbonate 471-34-1	6450	2000	3	No data available	No data available
Talc (Mg3H2(SiO3)4) 14807-96-6	> 5000	No data available	No data available	No data available	No data available
Titanium dioxide 13463-67-7	10010	No data available	7	No data available	No data available
2-Bromo-2-nitro-1,3-propanedi ol 52-51-7	180	1600	No data available	No data available	No data available
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	120	242	0.34	0.501	No data available
5-Chloro-2-methyl-3(2H)-isothi azolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	457	660	0.0501	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

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General advice:	Show this safety data sheet to the doctor in attendance.
Inhalation:	Remove to fresh air.
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact:	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion:	Rinse mouth.

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

Symptoms:	Itching. Rashes. Hives.

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

Note to physicians: May cause sensitization in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Large Fire:	CAUTION: Use of water spray when fighting fire may be inefficient.	
Unsuitable extinguishing media:	Do not scatter spilled material with high pressure water streams.	
5.2. Special hazards arising from the substance or mixture		

2. Special nazards arising from the substance or mixture

Specific hazards arising from the	Product is or contains a sensitizer. May cause sensitization by skin contact.
chemical:	

5.3. Advice for firefighters

Special protective equipment and Firefighters should wear self-contained breathing apparatus and full firefighting turnout precautions for fire-fighters: gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
For emergency responders:	Use personal protection recommended in Section 8.

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6.2. Environmental precautions

Environmental precautions: See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections: See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling



Advice on safe handling:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.
General hygiene considerations:	Handle in accordance with good industrial hygiene and safety practice.
7.2. Conditions for safe stora	age, including any incompatibilities
Storage Conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Other information:

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits:					
Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Calcium carbonate					TWA: 10 mg/m ³
471-34-1					TWA: 4 mg/m ³
Talc (Mg3H2(SiO3)4)		TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 1.0 fiber/cm3	TWA: 1 mg/m ³
14807-96-6			_	TWA: 6.0 mg/m ³	-
				TWA: 3.0 mg/m ³	
Titanium dioxide		TWA: 5 mg/m ³	TWA: 10 mg/m ³	TWA: 10.0 mg/m ³	TWA: 10 mg/m ³
13463-67-7		STEL 10 mg/m ³	-	-	TWA: 4 mg/m ³

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					Γ
3(2H)-Isothiazolone,		TWA: 0.05 mg/m ³			
2-methyl- 2682-20-4		Sh+			
5-Chloro-2-methyl-3(2H)-isot		TWA: 0.05 mg/m ³			
hiazolone, mixture with		Sh+			
2-methyl-3(2H)-isothiazolone		On			
55965-84-9					
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Talc (Mg3H2(SiO3)4)		TWA: 2.0 mg/m ³	TWA: 0.3 fiber/cm3		TWA: 0.5 fiber/cm3
14807-96-6					TWA: 2 mg/m ³ TWA: 1 mg/m ³
Titanium dioxide 13463-67-7			TWA: 6 mg/m ³	TWA: 5 mg/m ³	
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Calcium carbonate	TWA: 10 mg/m ³				
471-34-1	0				
Talc (Mg3H2(SiO3)4)		TWA: 1.25 mg/m ³		TWA: 10 mg/m ³	TWA: 2 mg/m ³
14807-96-6		TWA: 10 mg/m ³		TWA: 2 mg/m ³	
Titanium dioxide	TWA: 10 mg/m ³	TWA: 1.25 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	
13463-67-7		TWA: 10 mg/m ³	Ceiling / Peak: 2.4 mg/m ³	TWA: 5 mg/m ³	
2-Bromo-2-nitro-1,3-propane			*		
diol			skin sensitizer		
52-51-7					
3(2H)-Isothiazolone,			TWA: 0.2 mg/m ³		
2-methyl-			Peak: 0.4 mg/m ³		
2682-20-4			skin sensitizer		
5-Chloro-2-methyl-3(2H)-isot			MAK: 0.2 mg/m ³		
hiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9					
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Calcium carbonate				TWA: 6 mg/m ³	
471-34-1					
Talc (Mg3H2(SiO3)4) 14807-96-6	TWA: 10 mg/m ³ TWA: 0.8 mg/m ³ STEL: 30 mg/m ³ STEL: 2.4 mg/m ³		TWA: 2 mg/m ³		TWA: 2 mg/m ³ TWA: 1 mg/m ³
Titanium dioxide	TWA: 10 mg/m ³		TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 5 mg/m ³
13463-67-7	TWA: 4 mg/m ³ STEL: 30 mg/m ³		1007 ti 10 mg/m	i to ng m	1107 A. O. Mg/M
Chemical name	STEL: 12 mg/m ³ Luxembourg	Malta	Netherlands	Norway	Poland
Calcium carbonate					Folanu
		Ivialta	Netherlands		$T_{M/A}$: 10 mg/m ³
		Maita	Nethenanus		TWA: 10 mg/m ³
471-34-1		Ivialta			
471-34-1 Talc (Mg3H2(SiO3)4)		ivialta	TWA: 0.25 mg/m ³	TWA: 6 mg/m ³	TWA: 4 mg/m ³
471-34-1	g			TWA: 6 mg/m ³ TWA: 2 mg/m ³	
471-34-1 Talc (Mg3H2(SiO3)4)	g			TWA: 6 mg/m ³ TWA: 2 mg/m ³ STEL: 12 mg/m ³	TWA: 4 mg/m ³
471-34-1 Talc (Mg3H2(SiO3)4)				TWA: 6 mg/m ³ TWA: 2 mg/m ³	TWA: 4 mg/m ³
471-34-1 Talc (Mg3H2(SiO3)4) 14807-96-6				TWA: 6 mg/m ³ TWA: 2 mg/m ³ STEL: 12 mg/m ³ STEL: 4 mg/m ³	TWA: 4 mg/m ³ TWA: 1 mg/m ³
471-34-1 Talc (Mg3H2(SiO3)4) 14807-96-6 Titanium dioxide	Portugal	Romania		TWA: 6 mg/m ³ TWA: 2 mg/m ³ STEL: 12 mg/m ³ STEL: 4 mg/m ³ TWA: 5 mg/m ³	TWA: 4 mg/m ³ TWA: 1 mg/m ³ STEL: 30 mg/m ³
471-34-1 Talc (Mg3H2(SiO3)4) 14807-96-6 Titanium dioxide 13463-67-7			TWA: 0.25 mg/m ³	TWA: 6 mg/m ³ TWA: 2 mg/m ³ STEL: 12 mg/m ³ STEL: 4 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 4 mg/m ³ TWA: 1 mg/m ³ STEL: 30 mg/m ³ TWA: 10 mg/m ³
471-34-1 Talc (Mg3H2(SiO3)4) 14807-96-6 Titanium dioxide 13463-67-7 Chemical name Calcium carbonate	Portugal		TWA: 0.25 mg/m ³	TWA: 6 mg/m ³ TWA: 2 mg/m ³ STEL: 12 mg/m ³ STEL: 4 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 4 mg/m ³ TWA: 1 mg/m ³ STEL: 30 mg/m ³ TWA: 10 mg/m ³ Spain TWA: 2 mg/m ³
471-34-1 Talc (Mg3H2(SiO3)4) 14807-96-6 Titanium dioxide 13463-67-7 Chemical name Calcium carbonate 471-34-1 Talc (Mg3H2(SiO3)4)	Portugal TWA: 10 mg/m ³	Romania	TWA: 0.25 mg/m ³	TWA: 6 mg/m ³ TWA: 2 mg/m ³ STEL: 12 mg/m ³ STEL: 4 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 4 mg/m ³ TWA: 1 mg/m ³ STEL: 30 mg/m ³ TWA: 10 mg/m ³ Spain
471-34-1 Talc (Mg3H2(SiO3)4) 14807-96-6 Titanium dioxide 13463-67-7 Chemical name Calcium carbonate 471-34-1 Talc (Mg3H2(SiO3)4) 14807-96-6 Titanium dioxide	Portugal TWA: 10 mg/m ³ TWA: 2 mg/m ³	Romania TWA: 2 mg/m ³ TWA: 10 mg/m ³	TWA: 0.25 mg/m ³	TWA: 6 mg/m ³ TWA: 2 mg/m ³ STEL: 12 mg/m ³ STEL: 4 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 4 mg/m ³ TWA: 1 mg/m ³ STEL: 30 mg/m ³ TWA: 10 mg/m ³ Spain TWA: 2 mg/m ³
471-34-1 Talc (Mg3H2(SiO3)4) 14807-96-6 Titanium dioxide 13463-67-7 Chemical name Calcium carbonate 471-34-1 Talc (Mg3H2(SiO3)4) 14807-96-6 Titanium dioxide 13463-67-7	Portugal TWA: 10 mg/m ³ TWA: 2 mg/m ³ TWA: 10 mg/m ³	Romania TWA: 2 mg/m ³ TWA: 10 mg/m ³ STEL: 15 mg/m ³	TWA: 0.25 mg/m ³ Slovakia TWA: 5 mg/m ³	TWA: 6 mg/m ³ TWA: 2 mg/m ³ STEL: 12 mg/m ³ STEL: 4 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³ Slovenia	TWA: 4 mg/m ³ TWA: 1 mg/m ³ STEL: 30 mg/m ³ TWA: 10 mg/m ³ Spain TWA: 2 mg/m ³ TWA: 10 mg/m ³

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Talc (Mg3H2(SiO3)4) 14807-96-6	NGV: 2 mg/m ³ NGV: 1 mg/m ³	TWA: 3 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³		
Titanium dioxide 13463-67-7	NGV: 5 mg/m ³	TWA: 3 mg/m³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³	TWA: 10 mg/m ³	
3(2H)-Isothiazolone,		S+			
2-methyl-		TWA: 0.2 mg/m ³			
2682-20-4		STEL: 0.4 mg/m ³			
5-Chloro-2-methyl-3(2H)-isot		S+			
hiazolone, mixture with		TWA: 0.2 mg/m ³			
2-methyl-3(2H)-isothiazolone		Ŭ			
55965-84-9					
Biological occupational exp	osure This pro	duct, as supplied, do	es not contain any h	nazardous materials	with biological limits

Biological occupational exposure This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL):

component information:

Worker - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Calcium carbonate			6.36 mg/m ³	
Talc (Mg3H2(SiO3)4)	2.16 mg/m ³	2.16 mg/m ³	3.6 mg/m ³	3.6 mg/m ³
2-Bromo-2-nitro-1,3-propaned	3.5 mg/m ³	10.5 mg/m ³	2.5 mg/m ³	2.5 mg/m ³
iol				
3(2H)-Isothiazolone, 2-methyl-			0.021 mg/m ³	0.043 mg/m ³
5-Chloro-2-methyl-3(2H)-isoth			0.02 mg/m ³	0.04 mg/m ³
iazolone, mixture with				
2-methyl-3(2H)-isothiazolone				

Worker - dermal:

long term, systemic	short term, systemic	long term, local	short term, local
43.2 mg/kg bw/day		4.54 mg/cm2	
2 mg/kg bw/day	6 mg/kg bw/day	8 µg/cm2	8 µg/cm2
	43.2 mg/kg bw/day	43.2 mg/kg bw/day	43.2 mg/kg bw/day 4.54 mg/cm2

Consumer - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Calcium carbonate			1.06 mg/m ³	
Talc (Mg3H2(SiO3)4)	1.08 mg/m³	1.08 mg/m ³	1.8 mg/m ³	1.8 mg/m ³
2-Bromo-2-nitro-1,3-propaned	0.6 mg/m ³	1.8 mg/m ³		0.6 mg/m ³
iol				
3(2H)-Isothiazolone, 2-methyl-			0.021 mg/m ³	0.043 mg/m ³
5-Chloro-2-methyl-3(2H)-isoth			0.02 mg/m ³	0.04 mg/m ³
iazolone, mixture with				
2-methyl-3(2H)-isothiazolone				

Consumer - dermal:

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Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Talc (Mg3H2(SiO3)4)	21.6 mg/kg bw/day		2.27 mg/cm2	
2-Bromo-2-nitro-1,3-propaned	0.7 mg/kg bw/day	2.1 mg/kg bw/day	4 µg/cm2	4 µg/cm2
iol				_

consumer - oral:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Calcium carbonate	6.1 mg/kg bw/day	6.1 mg/kg bw/day		
Talc (Mg3H2(SiO3)4)	160 mg/kg bw/day	160 mg/kg bw/day		
2-Bromo-2-nitro-1,3-propaned iol	0.18 mg/kg bw/day	0.5 mg/kg bw/day		
3(2H)-Isothiazolone, 2-methyl-	0.027 mg/kg bw/day	0.053 mg/kg bw/day		
5-Chloro-2-methyl-3(2H)-isoth iazolone, mixture with 2-methyl-3(2H)-isothiazolone	0.09 mg/kg bw/day	0.11 mg/kg bw/day		

Predicted No Effect Concentration (PNEC):

component information:

Chemical name	Calcium carbonate CAS: 471-34-1
Sewage treatment	100 mg/L
Chemical name	Talc (Mg3H2(SiO3)4) CAS: 14807-96-6
Freshwater	597.97 mg/L
Marine water	141.26 mg/L
Freshwater (intermittent release)	597.97 mg/L
Marine water (intermittent release)	141.26 mg/L
Freshwater sediment	31.33 mg/kg sediment dw
Marine sediment	3.13 mg/kg sediment dw
Air	10 mg/m ³
Chemical name	2-Bromo-2-nitro-1,3-propanediol CAS: 52-51-7
Freshwater	0.01 mg/L
Marine water	0.0008 mg/L
Freshwater (intermittent release)	0.0025 mg/L
Sewage treatment	0.43 mg/L
Freshwater sediment	0.041 mg/kg sediment dw
Marine sediment	0.00328 mg/kg sediment dw
Soil	0.5 mg/kg soil dw
Chemical name	3(2H)-Isothiazolone, 2-methyl- CAS: 2682-20-4
Freshwater	3.39 μg/L
Marine water	3.39 μg/L
Freshwater (intermittent release)	3.39 μg/L
Marine water (intermittent release)	3.39 μg/L
Sewage treatment	0.23 mg/L
Soil	0.0471 mg/kg soil dw
Chemical name	5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone

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			CA	S: 55965-84-9	
Freshwater				3.39 μg/L	
Marine water				3.39 μg/L	
Freshwater (intermittent release)			3.39 µg/L		
Marine water (intermittent release)			3.39 μg/L		
Sewage treatment				0.23 mg/L	
Freshwater sediment	0.027 mg/kg sediment dw				
Marine sediment	0.027 mg/kg sediment dw				
Soil	0.01 mg/kg soil dw				
8.2. Exposure controls					
Engineering controls:	None unde	er normal use conditions.			
Personal protective equipment:	The usua	I precautionary measures fo	r the handling	of chemicals have to be observed.	
Eye/face protection:	Wear safe	ty glasses with side shields (or goggles).		
Hand protection:	Wear suita	ble gloves.			
PPE - Glove material		Glove thickness		Break through time	
NBR (Nitrile rubber)		0.4 mm		>=480 min.	
Skin and body protection:	Wear suitable protective clothing.				
Respiratory protection:	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.				
Recommended Filter Type:	Filtering device (full mask or mouthpiec) with filter: AP-2				
Environmental exposure controls:	No information available.				

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Color Odor	Liquid white charac	cteristic				
Melting point / melting range Boiling point / boiling range Flammability Decomposition temperature Flash point Autoignition temperature Lower explosive limit Upper explosion limit Vapor pressure	>	107	°C	Conditions	Method	Remarks Not established Not established not relevant None known None known not relevant not relevant Not established

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Density Water solubility pH pH (as aqueous solution) Partition coefficient Kinematic viscosity Odor threshold Relative density Evaporation rate Relative vapor density Particle Size Particle Size Distribution	 1.524 9 no data available no data available no data available 	g/cm³	20 °C 20 °C	Miscible Not established Not established Note known Not established Not established Not established
9.2. Other information				
Bulk density: Softening point Molecular weight	no data available No information available No information available			
9.2.1. Information with regard to ph	ysical hazard classes:			
Explosive properties Oxidizing properties	Not an explosive Not oxidising.			
9.2.2. Other safety characteristics:	No information available			

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity:

No information available.

10.2. Chemical stability

Stability:	Stable under normal conditions.
Explosion data:	

Sensitivity to mechanical impact:	None.
Sensitivity to static discharge:	None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

10.4. Conditions to avoid

Conditions to avoid: None known based on information supplied.

10.5. Incompatible materials

Incompatible materials: None known based on information supplied.

10.6. Hazardous decomposition products

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Hazardous decomposition products: None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

Product Information:	
Inhalation:	Specific test data for the substance or mixture is not available.
Eye contact:	Specific test data for the substance or mixture is not available.
Skin contact:	May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).
Ingestion:	Specific test data for the substance or mixture is not available.
Symptoms related to the physical, c	hemical and toxicological characteristics:

Symptoms: Itching. Rashes. Hives.

Numerical measures of toxicity:

Acute toxicity: No information available

Component Information:

Chemical name	Parameter	Species	effektive Dosis	Method
Calcium carbonate 471-34-1	Oral LD50	Rat	6450 mg/kg	
Titanium dioxide 13463-67-7	Oral LD50	Rat	> 10000 mg/kg	
2-Bromo-2-nitro-1,3-propanediol 52-51-7	Oral LD50	Rat	180 mg/kg	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	Oral LD50	Rat	120 mg/kg	
5-Chloro-2-methyl-3(2H)-isothiazolon e, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	Oral LD50	Rat	457 mg/kg	

Chemical name	Parameters	Species	Effective dose	Method
2-Bromo-2-nitro-1,3-propanediol 52-51-7	Dermal LD50	Rat	1600 mg/kg	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	Dermal LD50	Rabbit	200 mg/kg	
5-Chloro-2-methyl-3(2H)-isothiazolon e, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	Dermal LD50	Rabbit	660 mg/kg	

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Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Titanium dioxide 13463-67-7	Inhalation LD50	Rat	> 6.82 mg/L	4 h	
2-Bromo-2-nitro-1,3-propanedi ol 52-51-7	Inhalation LC50	Rat	800 mg/m ³	4 h	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	Inhalation LC50	Rat	0.34 mg/L	4 h	
5-Chloro-2-methyl-3(2H)-isothi azolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	Inhalation LC50	Rat	171 - 2360 mg/m³	4 h	

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

Skin corrosion/irritation:	No information available.
Serious eye damage/eye irritation:	No information available.
Respiratory or skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	No information available.
Carcinogenicity:	Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Titanium dioxide	Carc. 2
Reproductive toxicity:	No information available.
STOT - single exposure:	No information available.
STOT - repeated exposure:	No information available.
Aspiration hazard:	No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information available.

11.2.2. Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity: The environmental impact of this product has not been fully investigated.

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fish toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
2-Bromo-2-nitro-1,3-propanedi ol 52-51-7	LC50	Lepomis macrochirus	11 mg/L	96 h	OECD 203
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	LC50		4.77 mg/L	96 h	
5-Chloro-2-methyl-3(2H)-isothi azolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	LC50	Oncorhynchus mykiss	0.22 mg/L	96 h	OECD 203

toxicity to crustacea:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
2-Bromo-2-nitro-1,3-propanedi ol 52-51-7	EC50	Daphnia magna	1.04 mg/L	48 h	OECD 202
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	LC50		0.934 mg/L	48 h	
5-Chloro-2-methyl-3(2H)-isothi azolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	EC50	Daphnia magna	0.1 mg/L	48 h	OECD 202

Algae Toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
2-Bromo-2-nitro-1,3-propanedi ol 52-51-7	EC50	Anabaena flos aqua	0.068 mg/L	72 h	OECD 201
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	EC50		0.103 mg/L	72 h	
5-Chloro-2-methyl-3(2H)-isothi azolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	EC50	Pseudokirchneriella subcapitata	0.048 mg/L	72 h	OECD 201

Bacteria toxicity:

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
2-Bromo-2-nitro-1,3-propanedi ol 52-51-7	EC50	activated sludge	43 mg/L	3 h	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	EC50		41 mg/L	3 h	
5-Chloro-2-methyl-3(2H)-isothi azolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	EC50	activated sludge	7.92 mg/L	3 h	

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12.2. Persistence and degradability

Persistence and degradability:

Chemical name	degradation rate	test duration	Rapidly biodegradable	Remarks	Method
Titanium dioxide 13463-67-7	0 %		No		
2-Bromo-2-nitro-1,3-propa nediol 52-51-7	100 %	28 d	Yes		
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	100 %	0.07 d	Yes		
5-Chloro-2-methyl-3(2H)-i sothiazolone, mixture with 2-methyl-3(2H)-isothiazol	> 60 %	28 d	Yes		OECD 301
one 55965-84-9					

12.3. Bioaccumulative potential

Bioaccumulation:

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
2-Bromo-2-nitro-1,3-propanediol	0.38	3.16
52-51-7		
3(2H)-Isothiazolone, 2-methyl-	-0.26	3.16
2682-20-4	-0.34	
	-0.28	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture	0.69	3.16
with 2-methyl-3(2H)-isothiazolone		
55965-84-9		

12.4. Mobility in soil

Mobility in soil:

No information available.

Mobility: No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment:

Chemical name	PBT and vPvB assessment
Calcium carbonate	The substance is not PBT / vPvB
471-34-1	PBT assessment does not apply
Talc (Mg3H2(SiO3)4)	The substance is not PBT / vPvB
14807-96-6	
Titanium dioxide	The substance is not PBT / vPvB
13463-67-7	PBT assessment does not apply
2-Bromo-2-nitro-1,3-propanediol	The substance is not PBT / vPvB

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52-51-7	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	The substance is not PBT / vPvB
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone	The substance is not PBT / vPvB
55965-84-9	

12.6. Endocrine disrupting properties.

No information available.

12.7. Other adverse effects.

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products:	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging:	Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV: 08 01 12 (waste paint and varnish other than those mentioned in 08 01 11)

SECTION 14: Transport information

14.1. UN number

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.2 UN proper shipping name

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.3. Transport hazard class(es)

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.4. Packing group

ADR:	Not regulated
RID:	Not regulated

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IMDG:	Not regulated
IATA:	Not regulated

14.5. Environmental hazards

ADR:	
RID:	
IMDG:	Not regulated
IATA:	-

14.6. Special precautions for user

ADR:	Not regulated
Special Provisions:	None
RID:	Not regulated
Special Provisions:	None
IMDG:	Not regulated
Special Provisions:	None
IATA:	Not regulated
Special Provisions:	None

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available

SECTION 15: Regulatory information

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

European Union:

Regulation (EC) No. 1907/2006 (Annex II - (EC) No. 2020/878) and Regulation (EC) No. 1272/2008

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work: Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken

Authorizations and/or restrictions on use:

• This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Substance subject to authorization per REACH Annex XIV	Restricted substance per REACH Annex XVII
Calcium carbonate 471-34-1		75.
Titanium dioxide 13463-67-7		75.
2-Bromo-2-nitro-1,3-propanediol 52-51-7		75.
3(2H)-Isothiazolone, 2-methyl- 2682-20-4		75.
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture		3

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with 2-methyl-3(2H)-isothiazolone 55965-84-9

Persistent Organic Pollutants: (EC) 2019/1021 Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009: Not applicable

EU - Plant Protection Products (1107/2009/EC):

Chemical name	EU - Plant Protection Products (1107/2009/EC)
Calcium carbonate	The conclusions of the renewal report on Calcium carbonate,
471-34-1	and in particular Appendices I and II thereto, shall be taken into
	account (Commission Implementing Regulation 2021/1448/EU,
	listed under part D)
Talc (Mg3H2(SiO3)4)	Talc E553B shall be used in accordance with the specific
14807-96-6	conditions included in the conclusions of the review report on
	Talc E553B (SANTE/11639/2017) and in particular Appendices
	I and II thereof (listed under part C)

Biocidal Products Regulation (EU) No 528/2012 (BPR):

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
3(2H)-Isothiazolone, 2-methyl-	13 - Working or cutting fluid preservatives
2682-20-4	12 - Slimicides
	11 - Preservatives for liquid-cooling and processing systems
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with	2 - Disinfectants and algaecides not intended for direct
2-methyl-3(2H)-isothiazolone	application to humans or animals
55965-84-9	4 - Food and feed area disinfectant
	6 - Preservatives for products during storage
	11 - Preservatives for liquid-cooling and processing systems
	12 - Slimicides
	13 - Working or cutting fluid preservatives

volatile organic compounds (VOC) content: acc. reg. 2010/75/EG: acc. reg. 2004/42/EG (Decopaint):

0 % 0 g/L 0 %

National regulations:

Denmark:

Chemical name	Denmark - MAL
Titanium dioxide	0 m3/10 g substance MAL factor
13463-67-7	>=0.1 - 5 % by weight [3]
	>=5 % by weight [6]
	>0 % by weight [1]
2-Bromo-2-nitro-1,3-propanediol	50000 m3/10 g substance MAL factor
52-51-7	2500 m3/10 g substance MAL factor
3(2H)-Isothiazolone, 2-methyl-	0 m3/10 g substance MAL factor
2682-20-4	>=0.03 - 1.0 % by weight [3]
	>=0.003 - 1.0 % by weight [3]
	>=1.0 % by weight [6]

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Germany:

Water hazard class (WGK): slightly hazardous to water (WGK 1) - Classification according to AwSV

Chemical name	WGK Classification (AwSV)	ID number
Calcium carbonate	nwg	317
471-34-1		
Talc (Mg3H2(SiO3)4)	nwg	1315
14807-96-6		
Titanium dioxide	nwg	1345
13463-67-7		
2-Bromo-2-nitro-1,3-propanediol	2	5204
52-51-7		
3(2H)-Isothiazolone, 2-methyl-	3	2960
2682-20-4		
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture	3	2959
with 2-methyl-3(2H)-isothiazolone		
55965-84-9		

TA Luft (German Air Pollution Control Regulation):	
total dust incl. fine dust (digit 5.2.1):	50 - 55%
org. substances (Ziffer 5.2.5):	< 5%
org. subst. dust (digit 5.2.5):	< 5%

Storage class (TRGS 510): LGK12 - Non-combustible liquids

France:

Occupational Illnesses (R-463-3, France):

Chemical name	French RG number
Talc (Mg3H2(SiO3)4)	RG 25
14807-96-6	

RG 25 - Conditions resulting from inhalation of mineral dusts containing crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc), graphite, or coal.

Netherlands:

Water contaminating class (Netherlands):	B (4)
Austria:	

Flammable Liquids Regulations, VbF: Not regulated

Poland:

Ordinance of the Minister of Family, Labor and Social Policy dated June 12, 2018 on the highest permissible concentrations and intensities of harmful factors for health in the work environment (Dz. U. 2018 item 1286, as amended) Act of December 14, 2012 on waste (Journal of Laws of 2013, item 21; as amended)

Act on chemical substances and their mixtures of February 25, 2011. (Journal of Laws No. 63, item 322; as amended) Regulation of the Minister of Labor and Social Policy of September 26, 1997 on general regulations of safety and hygiene at work (Dz. U. of 2003, No. 169, item 1650; as amended).

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Switzerland:

VOC content:: acc. VOCV CH 814.018, att. 1: 0 %

Hungary:

Decree No 44/2000 (XII.27.) of the Ministry of Economic Affairs and Labour of the Republic of Hungary on certain procedures and activities Joint Decree No. 5/2020 ITM on Chemical Safety at Work 178/2017 (VII. 5.) Government Decree on the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) "A" and "B" of the European Agreement on Road Transport

International Inventories:

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply
NZIoC	Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

NZIOC - New Zealand Inventory of Chemicals

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report:

No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet:

Full text of H-Statements referred to under section 3:

EUH071 - Corrosive to the respiratory tract

H301 - Toxic if swallowed

H302 - Harmful if swallowed

H310 - Fatal in contact with skin

H311 - Toxic in contact with skin

H312 - Harmful in contact with skin

H314 - Causes severe skin burns and eye damage

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

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H330 - Fatal if inhaled H335 - May cause respiratory irritation H400 - Very toxic to aquatic life H410 - Verv toxic to aquatic life with long lasting effects H411 - Toxic to aquatic life with long lasting effects Leaend: ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures) ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des merchandises dangereuses par route) AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany) **BCF: Bio-Concentration Factor** BOD(5): Biochemical oxygen demand (within 5 days) CAS: Chemical Abstract Service CLP: Classification, Labelling and Packaging CMR: Carcinogenic, Mutagenic, toxic for Reproduction DIN: German Standards Institute / German industrial norm DNEL: Derived No Effect Level DOC: Dissolved organic carbon EAK/ AVV: European waste catalogue/ waste directory-regulation EC50: Effective Concentration 50% ECHA: European Chemical Agency EINECS: European Inventory of Existing Commercial Chemical Substances GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals IATA: International Air Transport Association IC50: Inhibition Concentration 50% IMDG: International Maritime Dangerous Goods Code LC50: Lethal Concentration 50% - LD50: Lethal dose 50% MAK: Treshold limit values Germany NLP: No Longer Polymers NOAEC: No Observed Adverse Effect Concentration NOAEL: No Observed Adverse Effect Level OECD: Organization for Economic Cooperation and Development PBT: persistent, bioaccumulative, toxic PC: Product category PNEC: Predicted No Effect Concentration REACh: Registration, Evaluation and Authorization of Chemicals RID:Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer) STEL: Short-term Exposure Limit STP: Sewage treatment plant SVHC: Substance of Very High Concern TLV: Threshold Limit Value TWA: Time Weighted Average **UN: United Nations** VOC: Volatile Organic Compounds vPvB: very persistent, very bioaccumulative Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION Ceiling: Maximum limit value * Skin designation Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method

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Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS:

European Chemicals Agency (ECHA)

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

RTECS (Registry of Toxic Effects of Chemical Substances)

World Health Organization

Revision date: 28-Jun-2021 This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006:

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet