

# SAFETY DATA SHEET

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



Revision date: 18-Feb-2022

Revision Number: 1

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

### 1.1. Product identifier

**Product Name:** ContiPur Multigrund HVLP weiss  
**Article number:** 012060360614  
**UFI:** nicht erforderlich

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

**Product categories [PC]:** PC9 - Coatings and paints, fillers, putties, thinners  
**Sector of uses [SU]:** SU19 - Building and construction work

### 1.3. Details of the supplier of the safety data sheet

**Supplier:** conti coatings GmbH & Co. KG  
Feldstrasse 55  
D - 46149 Oberhausen  
Telefon: +49 208/ 9948-0  
Telefax: +49 208/ 650625  
www.conticoatings.com

**E-mail address** sds.ob@conticoatings.com

### 1.4. Emergency telephone number

**Emergency Telephone:** +49 177 / 214 4737 (24 h)

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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

<b>Chronic aquatic toxicity</b>	Category 2 - (H411)
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### 2.2. Label elements



#### Hazard statements:

H411 - Toxic to aquatic life with long lasting effects.

#### EU Specific Hazard Statements:

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

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EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one May produce an allergic reaction.

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

P273 - Avoid release to the environment

P391 - Collect spillage

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

## 2.3. Other hazards

Toxic to aquatic life.

### Endocrine Disruptor Information

Chemical name	EU - REACH (1907/2006) - Article 59(1) - Candidate List of Substances of Very High Concern (SVHC) for Authorisation	EU - REACH (1907/2006) - Endocrine Disruptor Assessment List of Substances
Polyethylene glycol branched nonylphenyl ether	Endocrine disrupting properties	-

Chemical name	Endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605(4)
Polyethylene glycol branched nonylphenyl ether	Endocrine disrupting properties

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	CAS No	EC No	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
Titanium dioxide	13463-67-7	236-675-5	01-2119489379-17		10 - < 25
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	14807-96-6	238-877-9	-		3 - < 5
Calcium carbonate	471-34-1	207-439-9	-		1 - < 3
Phosphoric acid, zinc salt (2:3)	7779-90-0	231-944-3	01-2119485044-40	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	1 - < 3
Zinc oxide (ZnO)	1314-13-2	215-222-5	01-2119463881-32	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	0.5 - < 1
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1)	171054-89-0	419-240-6	01-00000016594-65	Eye Dam. 1 (H318)	0.25 - < 0.5
Polyethylene glycol branched nonylphenyl ether	68412-54-4	-	-	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)	0.1 - < 0.25

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Ammonium hydroxide	1336-21-6	215-647-6	01-2119488876-14	Skin Corr. 1B (H314) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	0.1 - < 0.25
Diethylene glycol monobutyl ether	112-34-5	203-961-6	01-2119475104-44	Eye Irrit. 2 (H319)	0.01 - < 0.05
Zinc pyrithione	13463-41-7	236-671-3	01-2119511196-46	Acute Tox. 3 (H301) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Repr. 1B (H360D) STOT RE 1 (H372) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	0.01 - < 0.05

Chemical name	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Ammonium hydroxide 1336-21-6	STOT SE 3 (H335):: C>=5%			B
Zinc pyrithione 13463-41-7		1000	10	

## 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 - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Titanium dioxide 13463-67-7	10010	No data available	7	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
Calcium carbonate 471-34-1	6450	2000	3	No data available	No data available
Phosphoric acid, zinc salt (2:3) 7779-90-0	5005	No data available	No data available	No data available	No data available
Zinc oxide (ZnO) 1314-13-2	5005	2000	5.8	No data available	No data available
Benzenebutanoic acid, 4-methyl-gamma.-oxo-, compound with 4-ethylmorpholine (2:1) 171054-89-0	2002	2002	No data available	No data available	No data available
Polyethylene glycol branched nonylphenyl ether 68412-54-4	500	4400	No data available	No data available	No data available
Ammonium hydroxide 1336-21-6	350	No data available	No data available	No data available	No data available
Diethylene glycol monobutyl ether 112-34-5	2410	2764	No data available	No data available	No data available

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Zinc pyrithione 13463-41-7	177	100	0.0501	3	No data available
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This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS No	SVHC candidates
Polyethylene glycol branched nonylphenyl ether	68412-54-4	X

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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 skin with soap and water. 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: No information available.

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

Note to physicians: 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

Specific hazards arising from the chemical: No information available.

### 5.3. Advice for firefighters

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Special protective equipment and precautions for fire-fighters:

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation.

For emergency responders: Use personal protection recommended in Section 8.

### 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: Ensure adequate ventilation.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry 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

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Exposure Limits:

Chemical name	European Union	Germany	Netherlands	Spain	United Kingdom	Hungary
Titanium dioxide 13463-67-7		TWA: 1.25 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>	
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) 14807-96-6		TWA: 1.25 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 0.25 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
Zinc oxide (ZnO) 1314-13-2				TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67 mg/m <sup>3</sup>	TWA: 50 mg/m <sup>3</sup> STEL: 100 mg/m <sup>3</sup> H*	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	TWA: 67.5 mg/m <sup>3</sup> STEL: 101.2 mg/m <sup>3</sup>

Chemical name	France	Italy	Portugal	Finland	Denmark	Czech Republic
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup>		TWA: 6 mg/m <sup>3</sup>	
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) 14807-96-6			TWA: 2 mg/m <sup>3</sup>	TWA: 0.5 fiber/cm <sup>3</sup> TWA: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 0.3 fiber/cm <sup>3</sup>	TWA: 2.0 mg/m <sup>3</sup>
Calcium carbonate 471-34-1	TWA: 10 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup>			
Zinc oxide (ZnO) 1314-13-2	TWA: 5 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>		TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> Ceiling: 5 mg/m <sup>3</sup>
Ammonium hydroxide 1336-21-6				TWA: 20 ppm TWA: 14 mg/m <sup>3</sup> STEL: 50 ppm STEL: 36 mg/m <sup>3</sup>		
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 68 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 101.2 mg/m <sup>3</sup> STEL: 15 ppm	TWA: 10 ppm TWA: 68 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 68 mg/m <sup>3</sup>	TWA: 100 mg/m <sup>3</sup> Ceiling: 100 mg/m <sup>3</sup>

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
Titanium dioxide 13463-67-7	TWA: 5 mg/m <sup>3</sup> STEL 10 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	STEL: 30 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) 14807-96-6	TWA: 2 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 6 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 0.8 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 2.4 mg/m <sup>3</sup>	
Calcium carbonate 471-34-1		TWA: 3 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>			
Zinc oxide (ZnO) 1314-13-2	TWA: 5 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup> MAC: 1.5 mg/m <sup>3</sup>
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL 15 ppm STEL 101.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101 mg/m <sup>3</sup>	STEL: 100 mg/m <sup>3</sup> TWA: 67 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 68 mg/m <sup>3</sup> STEL: 20 ppm STEL: 102 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	MAC: 10 mg/m <sup>3</sup>

Biological occupational exposure limits:

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

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Derived No Effect Level (DNEL):

component information:

Worker - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	2.16 mg/m <sup>3</sup>	2.16 mg/m <sup>3</sup>	3.6 mg/m <sup>3</sup>	3.6 mg/m <sup>3</sup>
Calcium carbonate			6.36 mg/m <sup>3</sup>	
Phosphoric acid, zinc salt (2:3)	5 mg/m <sup>3</sup>			
Zinc oxide (ZnO)	5 mg/m <sup>3</sup>		0.5 mg/m <sup>3</sup>	
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1)	4.42 mg/m <sup>3</sup>	22.1 mg/m <sup>3</sup>		
Diethylene glycol monobutyl ether	67.5 mg/m <sup>3</sup>		67.5 mg/m <sup>3</sup>	101.2 mg/m <sup>3</sup>

Worker - dermal:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	43.2 mg/kg bw/day		4.54 mg/cm <sup>2</sup>	
Phosphoric acid, zinc salt (2:3)	83 mg/kg bw/day			
Zinc oxide (ZnO)	83 mg/kg bw/day			
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1)	0.25 mg/kg bw/day	1.25 mg/kg bw/day		
Diethylene glycol monobutyl ether	83 mg/kg bw/day			
Zinc pyrithione	0.01 mg/kg bw/day			

Consumer - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	1.08 mg/m <sup>3</sup>	1.08 mg/m <sup>3</sup>	1.8 mg/m <sup>3</sup>	1.8 mg/m <sup>3</sup>
Calcium carbonate			1.06 mg/m <sup>3</sup>	
Phosphoric acid, zinc salt (2:3)	2.5 mg/m <sup>3</sup>			
Zinc oxide (ZnO)	2.5 mg/m <sup>3</sup>			
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1)	0.11 mg/m <sup>3</sup>	0.55 mg/m <sup>3</sup>		
Diethylene glycol monobutyl ether	40.5 mg/m <sup>3</sup>		40.5 mg/m <sup>3</sup>	60.7 mg/m <sup>3</sup>

Consumer - dermal:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
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Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	21.6 mg/kg bw/day		2.27 mg/cm <sup>2</sup>	
Phosphoric acid, zinc salt (2:3)	83 mg/kg bw/day			
Zinc oxide (ZnO)	83 mg/kg bw/day			
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1)	0.125 mg/kg bw/day	0.625 mg/kg bw/day		
Diethylene glycol monobutyl ether	50 mg/kg bw/day			

consumer - oral:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	160 mg/kg bw/day	160 mg/kg bw/day		
Calcium carbonate	6.1 mg/kg bw/day	6.1 mg/kg bw/day		
Phosphoric acid, zinc salt (2:3)	0.83 mg/kg bw/day			
Zinc oxide (ZnO)	0.83 mg/kg bw/day			
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1)	0.125 mg/kg bw/day			
Diethylene glycol monobutyl ether	5 mg/kg bw/day			

Predicted No Effect Concentration (PNEC):

component information:

<b>Chemical name</b>	<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>) CAS: 14807-96-6</b>
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 <sup>3</sup>
<b>Chemical name</b>	<b>Calcium carbonate CAS: 471-34-1</b>
Sewage treatment	100 mg/L
<b>Chemical name</b>	<b>Phosphoric acid, zinc salt (2:3) CAS: 7779-90-0</b>
Freshwater	20.6 µg/L
Marine water	6.1 µg/L
Sewage treatment	100 µg/L
Freshwater sediment	117.8 mg/kg sediment dw
Marine sediment	56.5 mg/kg sediment dw
Soil	35.6 mg/kg soil dw
<b>Chemical name</b>	<b>Zinc oxide (ZnO) CAS: 1314-13-2</b>
Freshwater	20.6 µg/L



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Marine water	6.1 µg/L
Sewage treatment	100 µg/L
Freshwater sediment	117.8 mg/kg sediment dw
Marine sediment	56.5 mg/kg sediment dw
Soil	35.6 mg/kg soil dw
<b>Chemical name</b>	<b>Benzenebutanoic acid, 4-methyl-gamma-oxo-, compound with 4-ethylmorpholine (2:1) CAS: 171054-89-0</b>
Freshwater	0.1 mg/L
Marine water	10 µg/L
Freshwater (intermittent release)	1 mg/L
Marine water (intermittent release)	0.1 mg/L
Sewage treatment	2 mg/L
<b>Chemical name</b>	<b>Diethylene glycol monobutyl ether CAS: 112-34-5</b>
Freshwater	1.1 mg/L
Marine water	0.11 mg/L
Freshwater (intermittent release)	11 mg/L
Sewage treatment	200 mg/L
Freshwater sediment	4.4 mg/kg sediment dw
Marine sediment	0.44 mg/kg sediment dw
Soil	0.32 mg/kg soil dw
Food chain	56 mg/kg food
<b>Chemical name</b>	<b>Zinc pyriithione CAS: 13463-41-7</b>
Freshwater	90 ng/L
Marine water	90 ng/L
Sewage treatment	0.01 mg/L
Freshwater sediment	0.0095 mg/kg sediment dw
Marine sediment	0.0095 mg/kg sediment dw
Soil	1.02 mg/kg soil dw

## 8.2. Exposure controls

Engineering controls: None under normal use conditions.

Personal protective equipment: The usual precautionary measures for the handling of chemicals have to be observed.



Eye/face protection: No special protective equipment required.

PPE - Glove material	Glove thickness	Break through time
NBR (Nitrile rubber)	0.4 mm	>=480 min.

Skin and body protection: No special protective equipment required.

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

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Environmental exposure controls: No information available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	dispersion				
Color	white				
Odor	characteristic				
				<i>Conditions</i>	<i>Method</i>
Melting point / melting range					Remarks
Boiling point / boiling range	>	107	°C		Not established
Flammability					Not established
Decomposition temperature					not relevant
Flash point					Not established
Autoignition temperature					None known
Lower explosive limit					not relevant
Upper explosion limit					not relevant
Vapor pressure					Not established
Density	~	1.332	g/cm <sup>3</sup>	20 °C	
Water solubility					Miscible
pH		8 - 9		20 °C	
pH (as aqueous solution)					Not applicable
Partition coefficient					Not established
Kinematic viscosity					Not applicable
Odor threshold					Not established
Relative density					Not established
Evaporation rate					Not established
Relative vapor density		no data available			
Particle Size		no data available			
Particle Size Distribution		no data available			

### 9.2. Other information

Bulk density:	no data available
Softening point	No information available
Molecular weight	No information available

#### 9.2.1. Information with regard to physical hazard classes:

Explosive properties	Not an explosive
Oxidizing properties	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

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



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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

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: The product has not been tested

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: Specific test data for the substance or mixture is not available.

Ingestion: Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: No information available.

Numerical measures of toxicity:

Acute toxicity: The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral): 39,723.00 mg/kg

Component Information:

Chemical name	Parameter	Species	effektive Dosis	Method
Titanium dioxide 13463-67-7	Oral LD50	Rat	> 10000 mg/kg	
Calcium carbonate	Oral LD50	Rat	6450 mg/kg	

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Chemical name	Parameter	Species	effektive Dosis	Method
471-34-1				
Phosphoric acid, zinc salt (2:3) 7779-90-0	Oral LD50	Rat	> 5000 mg/kg	
Zinc oxide (ZnO) 1314-13-2	Oral LD50	Rat	> 5000 mg/kg	OECD 401
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1) 171054-89-0	Oral LD50	Rat	> 200 mg/kg	
Diethylene glycol monobutyl ether 112-34-5	Oral LD50	Mouse	2410 mg/kg	OECD 401
Zinc pyrithione 13463-41-7	Oral LD50	Rat	177 mg/kg	

Chemical name	Parameters	Species	Effective dose	Method
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1) 171054-89-0	Dermal LD50	Rat	> 2000 mg/kg	
Polyethylene glycol branched nonylphenyl ether 68412-54-4	Dermal LD50	Rabbit	4400 mg/kg	
Diethylene glycol monobutyl ether 112-34-5	Dermal LD50	Rabbit	2764 mg/kg	OECD 402
Zinc pyrithione 13463-41-7	Dermal LD50	Rabbit	100 mg/kg	

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Titanium dioxide 13463-67-7	Inhalation LD50	Rat	> 6.82 mg/L	4 h	
Zinc oxide (ZnO) 1314-13-2	Inhalation LC50	Rat	> 5.7 mg/L	4 h	
Zinc pyrithione 13463-41-7	Inhalation LC50	Rat	0.05 - 0.5 mg/L 140 mg/m <sup>3</sup>	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:	No information available.
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:	Based on available data, the classification criteria are not met.
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The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
Zinc pyrithione	Repr. 1B

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

### 11.2.2. Other information

No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity: Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

fish toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Zinc oxide (ZnO) 1314-13-2	LC50	Danio rerio	1.55 mg/L	96 h	
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1) 171054-89-0	LC50	Oncorhynchus mykiss	> 100 mg/L	96 h	
Polyethylene glycol branched nonylphenyl ether 68412-54-4	LC50		7.9 mg/L	96 h	
Ammonium hydroxide 1336-21-6	LC50	Oncorhynchus mykiss	0.89 mg/L	96 h	
Diethylene glycol monobutyl ether 112-34-5	LC50	Lepomis macrochirus	1300 mg/L	96 h	OECD 203

toxicity to crustacea:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Zinc oxide (ZnO)	EC50	Ceriodaphnia dubia	0.413 mg/L	48 h	

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Chemical name	Parameter	Species	Effective dose	Exposure time	Method
1314-13-2					
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1) 171054-89-0	EC50	Daphnia magna	> 100 mg/L	48 h	
Polyethylene glycol branched nonylphenyl ether 68412-54-4	EC50	Daphnia magna	2.44 mg/L	48 h	
Ammonium hydroxide 1336-21-6	LC50	Daphnia magna	101 mg/L	48 h	
Diethylene glycol monobutyl ether 112-34-5	EC50	Daphnia magna	2850 mg/L	48 h	

Algae Toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Zinc oxide (ZnO) 1314-13-2	EC50	Selenastrum capricornutum	0.137 mg/L	72 h	OECD 201
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1) 171054-89-0	ErC50	Scenedesmus subspicatus	> 100 mg/L	72 h	
Ammonium hydroxide 1336-21-6	EC50	Chlorella vulgaris	2700 mg/L	18 d	
Diethylene glycol monobutyl ether 112-34-5	EC50	Desmodesmus subspicatus	> 100 mg/L	96 h	OECD 201
Zinc pyrithione 13463-41-7	EC50		0.003 mg/L	96 h	

Bacteria toxicity:

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Zinc oxide (ZnO) 1314-13-2	EC50	activated sludge	2.4 mg/L	3 h	
Zinc pyrithione 13463-41-7	EC50		2.4 mg/L	3 h	

## 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		
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with	86 %	28 d	Yes		

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Chemical name	degradation rate	test duration	Rapidly biodegradable	Remarks	Method
4-ethylmorpholine (2:1) 171054-89-0					
Polyethylene glycol branched nonylphenyl ether 68412-54-4	44.5 %	28 d	No		OECD 301B
Ammonium hydroxide 1336-21-6			Yes		
Diethylene glycol monobutyl ether 112-34-5	89-93 %	28 d	Yes	Aerobic biological treatment	
Zinc pyrithione 13463-41-7	100 %		Yes		

## 12.3. Bioaccumulative potential

Bioaccumulation:

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Ammonium hydroxide 1336-21-6		-0.64
Diethylene glycol monobutyl ether 112-34-5		99.9
Zinc pyrithione 13463-41-7	1.12	1.4

## 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
Titanium dioxide 13463-67-7	The substance is not PBT / vPvB
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) 14807-96-6	The substance is not PBT / vPvB
Calcium carbonate 471-34-1	The substance is not PBT / vPvB PBT assessment does not apply
Phosphoric acid, zinc salt (2:3) 7779-90-0	PBT assessment does not apply
Zinc oxide (ZnO) 1314-13-2	The substance is not PBT / vPvB
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1) 171054-89-0	The substance is not PBT / vPvB
Polyethylene glycol branched nonylphenyl ether 68412-54-4	The substance is not PBT / vPvB
Diethylene glycol monobutyl ether	The substance is not PBT / vPvB

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112-34-5	
Zinc pyrithione 13463-41-7	The substance is not PBT / vPvB

## 12.6. Endocrine disrupting properties.

No information available.

Chemical name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disrupters - Evaluated Substances
Polyethylene glycol branched nonylphenyl ether 68412-54-4	Group III Chemical	-

## 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



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

## 14.5. Environmental hazards

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

## 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:

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

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
Titanium dioxide 13463-67-7		75.
Calcium carbonate 471-34-1		75.
Zinc oxide (ZnO) 1314-13-2		75.
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1) 171054-89-0		75.
Ammonium hydroxide 1336-21-6		75.
Diethylene glycol monobutyl ether 112-34-5		55. 75.

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Zinc pyrithione 13463-41-7		75.
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Persistent Organic Pollutants: Not applicable

Export Notification requirements: This product contains substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals

Chemical name	European Export/Import Restrictions per (EC) 689/2008 - Annex Number
Polyethylene glycol branched nonylphenyl ether 68412-54-4	I.1 I.2

Dangerous substance category per Seveso Directive (2012/18/EU):  
E2 - Hazardous to the Aquatic Environment in Category Chronic 2

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)
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) 14807-96-6	Talc E553B shall be used in accordance with the specific 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)
Calcium carbonate 471-34-1	The conclusions of the renewal report on Calcium carbonate, and in particular Appendices I and II thereto, shall be taken into account (Commission Implementing Regulation 2021/1448/EU, listed under part D)

volatile organic compounds (VOC) content:  
acc. reg. 2010/75/EG: 0.1 %  
acc. reg. 2004/42/EG (Decopaint): 1.3 g/L

## National regulations:

Denmark:

Chemical name	Denmark - MAL
Titanium dioxide 13463-67-7	0 m <sup>3</sup> /10 g substance MAL factor >=0.1 - 5 % by weight [3] >=5 % by weight [6] >0 % by weight [1]
Phosphoric acid, zinc salt (2:3) 7779-90-0	0 m <sup>3</sup> /10 g substance MAL factor >0 % by weight [1]
Zinc oxide (ZnO) 1314-13-2	0 m <sup>3</sup> /10 g substance MAL factor >0 % by weight [1]
Diethylene glycol monobutyl ether 112-34-5	0 m <sup>3</sup> /10 g substance MAL factor >=10.0 % by weight [3]
Zinc pyrithione 13463-41-7	0 m <sup>3</sup> /10 g substance MAL factor >=1 % by weight [3]

Germany:

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

Chemical name	WGK Classification (AwSV)	ID number
Titanium dioxide	nwg	1345

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13463-67-7		
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) 14807-96-6	nwg	1315
Calcium carbonate 471-34-1	nwg	317
Phosphoric acid, zinc salt (2:3) 7779-90-0	2	5067
Zinc oxide (ZnO) 1314-13-2	2	2187
Benzenebutanoic acid, 4-methyl-.gamma.-oxo-, compound with 4-ethylmorpholine (2:1) 171054-89-0	1	2091
Polyethylene glycol branched nonylphenyl ether 68412-54-4	2	-
Ammonium hydroxide 1336-21-6	2	211
Diethylene glycol monobutyl ether 112-34-5	1	46
Zinc pyrithione 13463-41-7	3	7636

TA Luft (German Air Pollution Control Regulation):  
total dust incl. fine dust (digit 5.2.1): 25 - 30%  
org. substances (Ziffer 5.2.5): < 5%

France:

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

Chemical name	French RG number
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) 14807-96-6	RG 25
Diethylene glycol monobutyl ether 112-34-5	RG 84

RG 25 - Conditions resulting from inhalation of mineral dusts containing crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc), graphite, or coal.  
RG 84 - Occupational conditions caused by liquid organic solvents

Netherlands:

Chemical name	Polyethylene glycol branched nonylphenyl ether
ZZS list: SVHC	x (not identified individually as SVHC, but belongs to a SVHC (see belonging substance data))

Chemical name	Zinc pyrithione
Netherlands - List of Reproductive Toxins	Development Category 1B
ZZS list: SVHC	x ()

Water contaminating class (Netherlands): Z (1)

Austria:

Flammable Liquids Regulations, VbF: Not regulated

Switzerland:

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

## 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

## Legend:

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

- H301 - Toxic if swallowed
- H302 - Harmful if swallowed
- H314 - Causes severe skin burns and eye damage
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H319 - Causes serious eye irritation
- H330 - Fatal if inhaled
- H335 - May cause respiratory irritation
- H360D - May damage the unborn child
- H372 - Causes damage to organs through prolonged or repeated exposure
- 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

## Legend:

- 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 marchandises dangereuses par route)
- AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)

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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
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

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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: 21-Oct-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**