

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

1.1. Product identifier

Trade name or designation of the mixture	COLTEC™ C PS
Registration number	-
Synonyms	None.
SAP Specification	000000051626
Issue date	05-July-2018
Version number	01

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

Identified uses	Colorants for tinting of paints / coatings.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company	Chromaflo Technologies B.V. P.O. Box 1076, 6201BB Maastricht NL-6222 NL Maastricht, The Netherlands
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Company	Chromaflo Technologies Europe B.V. Nusterweg 98, 6136 KV Sittard, The Netherlands
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Telephone	+31 (0)43 352-7700
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ACCESS CODE 334294

CONTRACT Number 12154

General in EU 112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Austria National Poisons Information Center +431 406 4343 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Belgium National Poisons Control Center 070 245 245 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Bulgaria National Toxicological Information Center +359 2 9154 409 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Czech Republic National Poisons Information Center +420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Denmark National Poisons Control Center +45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Estonia National Poisons Information Center 16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be available for the Emergency Service.)

Finland National Poison Information Center (09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

France National Poisons Control Center ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Hungary National Emergency Phone Number 36 80 20 11 99 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Lithuania Neatidėliotina informacija apsinuodijus	+370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Malta Accident and Emergency Department	2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Netherlands National Poisons Information Center (NVIC)	030-274 88 88 (Only for the purpose of informing medical personnel in cases of acute intoxications)
Norway Norwegian Poison Information Center	22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Portugal Centro de Informacao Antivenenos	(+351) 808 250 143 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Romania Biroul RSI si Informare Toxicologica	021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be available for the Emergency Service.)
Slovakia National Toxicological Information Center	+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Sweden National Poison Information Center	112 - and ask for Poison Information (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary

Prolonged exposure may cause chronic effects. Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects. If product is in liquid or paste form, physical or health hazards listed related to dust are not considered significant. However, product may contain substances that could be potential hazards if caused to become airborne due to grinding, sanding or other abrasive processes.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.

Precautionary statements

Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Supplemental label information

EUH208 - Contains 2-octyl-2h-isothiazol-3-one, 1,2-Benzisothiazol-3(2H)-one, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); mix. May produce an allergic reaction.

2.3. Other hazards

Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
1,2-Benzisothiazol-3(2H)-one	< 0,1	2634-33-5 220-120-9	-	613-088-00-6	M=1
Classification:	Acute Tox. 4;H302, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Dam. 1;H318, Aquatic Acute 1;H400, Aquatic Chronic 2;H411				
2-octyl-2h-isothiazol-3-one	< 0,1	26530-20-1 247-761-7	-	613-112-00-5	
Classification:	Acute Tox. 4;H302, Acute Tox. 3;H311, Skin Corr. 1B;H314, Skin Sens. 1A;H317, Eye Dam. 1;H318, Acute Tox. 3;H331, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); mix	< 0,1	55965-84-9	-	613-167-00-5	
Classification:	Acute Tox. 3;H301, Acute Tox. 3;H311, Skin Corr. 1B;H314, Skin Sens. 1A;H317, Acute Tox. 3;H331, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				

Other components below reportable levels 90 - 100

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed Exposure may cause temporary irritation, redness, or discomfort.

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

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid prolonged exposure. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value	Form
2-octyl-2h-isothiazol-3-one (CAS 26530-20-1)	Ceiling	0,05 mg/m ³	Inhalable fraction.
	MAK	0,05 mg/m ³	Inhalable fraction.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); mix (CAS 55965-84-9)	MAK	0,05 mg/m ³	
Poly (ethylene oxide) (CAS 25322-68-3)	MAK	1000 mg/m ³	Inhalable fraction.
	STEL	4000 mg/m ³	Inhalable fraction.
polychloro copper phthalocyanine (CAS 1328-53-6)	MAK	1 mg/m ³	Inhalable fraction.
		0,1 mg/m ³	Fume and respirable dust.
	STEL	4 mg/m ³	Inhalable fraction.
		0,4 mg/m ³	Fume and respirable dust.
Talc (CAS 14807-96-6)	MAK	2 mg/m ³	Respirable fraction.
Triethylene Glycol (CAS 112-27-6)	MAK	1000 mg/m ³	Inhalable fraction.
	STEL	4000 mg/m ³	Inhalable fraction.

Belgium. Exposure Limit Values.

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	2 mg/m ³	Respirable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m ³	

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	6 mg/m ³	Inhalable fraction.
		3 mg/m ³	Respirable fraction.
Talc (CAS 14807-96-6)	TWA	1 fibers/cm ³	Respirable fraction.
		6 mg/m ³	Inhalable fraction.
		3 mg/m ³	Respirable fraction.
Triethylene Glycol (CAS 112-27-6)	TWA	15 mg/m ³	
Trimethylolpropane (CAS 77-99-6)	TWA	50 mg/m ³	

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	MAC	2 mg/m ³	Respirable dust.
Talc (CAS 14807-96-6)	MAC	1 mg/m ³	Respirable dust.

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value	Form
Talc (CAS 14807-96-6)	TWA	706 part/cm ³	

Czech Republic. OELs. Government Decree 361

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	5 mg/m ³	Dust.
Talc (CAS 14807-96-6)	TWA	10 mg/m ³ 10 mg/m ³	Total dust. Respirable dust.

Denmark. Exposure Limit Values

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TLV	2 mg/m ³	Respirable.
Poly (ethylene oxide) (CAS 25322-68-3)	TLV	1000 mg/m ³	
Triethylene Glycol (CAS 112-27-6)	TLV	1000 mg/m ³	

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	5 mg/m ³ 10 mg/m ³ 1 mg/m ³	Respirable dust. Total dust. Dust.
Talc (CAS 14807-96-6)	TWA	5 mg/m ³ 10 mg/m ³ 1 mg/m ³	Respirable dust. Total dust. Dust.

Finland. Workplace Exposure Limits

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	2 mg/m ³	Respirable.
polychloro copper phthalocyanine (CAS 1328-53-6)	TWA	0,02 mg/m ³	Respirable.
Talc (CAS 14807-96-6)	STEL	2 ppm 1 ppm	Inhalable dust. Respirable.

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	VME	5 mg/m ³ 10 mg/m ³ 10 mg/m ³	Respirable fraction. Inhalable fraction.
Talc (CAS 14807-96-6)	VME	5 mg/m ³ 10 mg/m ³	Respirable fraction. Inhalable fraction.

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
2-octyl-2h-isothiazol-3-one (CAS 26530-20-1)	TWA	0,05 mg/m ³	Inhalable fraction.
aluminium silicate (CAS 1332-58-7)	TWA	4 mg/m ³ 0,3 mg/m ³	Inhalable dust. Respirable dust.

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); mix (CAS 55965-84-9)	TWA	0,2 mg/m ³	Inhalable fraction.
Talc (CAS 14807-96-6)	TWA	4 mg/m ³ 0,3 mg/m ³	Inhalable dust. Respirable dust.
Triethylene Glycol (CAS 112-27-6)	TWA	1000 mg/m ³	Vapor and aerosol, inhalable fraction.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
2-octyl-2h-isothiazol-3-one (CAS 26530-20-1)	AGW	0,05 mg/m ³	Inhalable fraction.
aluminium silicate (CAS 1332-58-7)	AGW	10 mg/m ³	Inhalable fraction.
Poly (ethylene oxide) (CAS 25322-68-3)	AGW	1,25 mg/m ³ 1000 mg/m ³	Respirable fraction. Inhalable fraction.
Talc (CAS 14807-96-6)	AGW	10 mg/m ³ 1,25 mg/m ³	Inhalable fraction. Respirable fraction.
Triethylene Glycol (CAS 112-27-6)	AGW	1000 mg/m ³	Inhalable fraction.

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value	Form
Talc (CAS 14807-96-6)	TWA	2 mg/m ³ 10 mg/m ³	Respirable. Inhalable

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	6 mg/m ³ 10 mg/m ³	Respirable dust. Total inhalable dust.
polychloro copper phthalocyanine (CAS 1328-53-6)	STEL	4 mg/m ³	
Talc (CAS 14807-96-6)	TWA	1 mg/m ³ 2 mg/m ³	Respirable.

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	2 mg/m ³	Respirable dust.
Talc (CAS 14807-96-6)	TWA	5 mg/m ³ 10 mg/m ³	Respirable dust. Total dust.

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	2 mg/m ³	Respirable dust.
Talc (CAS 14807-96-6)	TWA	10 mg/m ³ 0,8 mg/m ³	Total inhalable dust. Respirable dust.

Italy. Occupational Exposure Limits

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	2 mg/m ³	Respirable fraction.
polychloro copper phthalocyanine (CAS 1328-53-6)	TWA	1 mg/m ³	Dust and mist.
Talc (CAS 14807-96-6)	TWA	0,2 mg/m ³ 2 mg/m ³	Fume. Respirable fraction.

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	2 mg/m3	Dust.
		2 mg/m3	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Dust.
		2 mg/m3	
		2 mg/m3	

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Talc (CAS 14807-96-6)	TWA	1 mg/m3	Dust.
		2 mg/m3	Inhalable fraction.
		1 mg/m3	Respirable fraction.
Trimethylolpropane (CAS 77-99-6)	Ceiling	5 ppm	

Netherlands. OELs (binding)

Components	Type	Value	Form
Talc (CAS 14807-96-6)	TWA	0,25 mg/m3	Respirable dust.

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TLV	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Talc (CAS 14807-96-6)	TLV	6 mg/m3	Total dust.
		2 mg/m3	Respirable dust.

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	10 mg/m3	Inhalable fraction.
Talc (CAS 14807-96-6)	TWA	4 mg/m3	Inhalable fraction.
		1 mg/m3	Respirable fraction.

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	2 mg/m3	Inhalable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Inhalable fraction.
Triethylene Glycol (CAS 112-27-6)	STEL	1000 mg/m3	
		163 ppm	
		700 mg/m3	
	TWA	114 ppm	

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
		2 mg/m3	Respirable fraction.
		2 mg/m3	Respirable aerosol fraction
		2 mg/m3	Respirable aerosol fraction
		10 mg/m3	Aerosol
		10 mg/m3	Dust.
		10 mg/m3	

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value	Form
		10 mg/m3	Total
Poly (ethylene oxide) (CAS 25322-68-3)	TWA	1000 mg/m3	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
		2 mg/m3	Respirable fraction.
		10 mg/m3	Total
Triethylene Glycol (CAS 112-27-6)	TWA	1000 mg/m3	

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value	Form
2-octyl-2h-isothiazol-3-one (CAS 26530-20-1)	TWA	0,05 mg/m3	Inhalable fraction.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); mix (CAS 55965-84-9)	TWA	0,05 mg/m3	
Poly (ethylene oxide) (CAS 25322-68-3)	TWA	1000 mg/m3	Inhalable fraction.
polychloro copper phthalocyanine (CAS 1328-53-6)	TWA	1 mg/m3	Inhalable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
Triethylene Glycol (CAS 112-27-6)	TWA	1000 mg/m3	Inhalable fraction.

Spain. Occupational Exposure Limits

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Total dust.
		1 mg/m3	Respirable dust.
Trimethylolpropane (CAS 77-99-6)	TWA	5 mg/m3	

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
2-octyl-2h-isothiazol-3-one (CAS 26530-20-1)	STEL	0,1 mg/m3	Inhalable dust.
	TWA	0,05 mg/m3	Inhalable dust.
aluminium silicate (CAS 1332-58-7)	TWA	3 mg/m3	Respirable dust.
Poly (ethylene oxide) (CAS 25322-68-3)	TWA	1000 mg/m3	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable dust.
Triethylene Glycol (CAS 112-27-6)	STEL	2000 mg/m3	Inhalable dust.
	TWA	1000 mg/m3	Inhalable dust.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
aluminium silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable dust.
Talc (CAS 14807-96-6)	TWA	1 mg/m3	Respirable dust.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures	Follow standard monitoring procedures.
Derived no effect levels (DNELs)	Not available.
Predicted no effect concentrations (PNECs)	Not available.

Exposure guidelines

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

2-octyl-2h-isothiazol-3-one (CAS 26530-20-1)	Can be absorbed through the skin.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); mix (CAS 55965-84-9)	Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
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Individual protection measures, such as personal protective equipment

General information	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
- Hand protection	Wear appropriate chemical resistant gloves.
- Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.

Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
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Environmental exposure controls	Environmental manager must be informed of all major releases.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Colour	Green
Odour	slight
Odour threshold	Not available.
pH	6,5 - 8,5
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 100,00 °C (> 212,00 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.

Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2. Other information	
Density	1,29 - 1,49 g/cm ³

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Peroxides. Phenols.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms Exposure may cause temporary irritation, redness, or discomfort.

11.1. Information on toxicological effects

Acute toxicity Not known.

Components	Species	Test results
2-octyl-2h-isothiazol-3-one (CAS 26530-20-1)		
Acute		
Inhalation		
<i>Mist</i>		
LC50	Rat	0,58 mg/l, 4 hours OECD Test Guideline 403
Oral		
LD50	Rat	318 mg/kg OECD Test Guideline 403
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); mix (CAS 55965-84-9)		
Acute		
Oral		
LD50	Rat	0,33 mg/l, 4 hours

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Due to partial or complete lack of data the classification is not possible.
Serious eye damage/eye irritation	Due to partial or complete lack of data the classification is not possible.
Respiratory sensitisation	Due to partial or complete lack of data the classification is not possible.
Skin sensitisation	Due to partial or complete lack of data the classification is not possible.
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Risk of cancer cannot be excluded with prolonged exposure.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.
Mixture versus substance information	No information available.
Other information	May cause allergic respiratory and skin reactions.

SECTION 12: Ecological information

12.1. Toxicity Based on available data, the classification criteria are not met for hazardous to the aquatic environment.

Components		Species	Test results
2-octyl-2h-isothiazol-3-one (CAS 26530-20-1)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Daphnia magna	< 0,32 mg/l, 48 hours
Fish	LC50	Salmo gairdneri (new name) Oncorhynchus mykiss)	< 0,047 mg/l, 96 hours
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); mix (CAS 55965-84-9)			
	EC20		0,97 mg/l, 3 hours
	EC50		7,92 mg/l, 3 hours
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	0,027 mg/l, 72 hours
Crustacea	EC50	Daphnia magna	0,16 mg/l, 48 hours
Fish	LC50	Oncorhynchus mykiss	0,19 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow) Not available.

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

12.7. Additional information

Estonia Dangerous substances in groundwater Data

1,2-Benzisothiazol-3(2H)-one (CAS 2634-33-5) Pesticides (total) 0,5 UG/L
Pesticides (total) 5 UG/L

Estonia Dangerous substances in soil Data

1,2-Benzisothiazol-3(2H)-one (CAS 2634-33-5) Synthetic pesticides (total of active substances) 0,5 mg/kg
Synthetic pesticides (total of active substances) 20 mg/kg
Synthetic pesticides (total of active substances) 5 mg/kg

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not established.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

1,2-Benzisothiazol-3(2H)-one (CAS 2634-33-5)

2-octyl-2h-isothiazol-3-one (CAS 26530-20-1)

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); mix (CAS 55965-84-9)

Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. Additional information is given in the Safety Data Sheet.

National regulations Follow national regulation for work with chemical agents. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended.

15.2. Chemical safety assessment No Chemical Safety Assessment has been carried out.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
Taiwan	Taiwan Toxic Chemicals Substances Control Act	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
 A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: Other information

List of abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic 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.
- H331 Toxic if inhaled.
- 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.

Revision information None.

Training information Follow training instructions when handling this material.

Disclaimer The information contained herein is based on data believed to be reliable and the manufacturer disclaims any liability incurred from the use or reliance upon the same. 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. This safety information is not a licence to use this material as claimed by any patents of third parties. The user alone must finally determine whether a contemplated use of this material will infringe any such patents, and for obtaining any required licenses.