Safety Data Sheet

according to UK REACH Regulation

ORCON F

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

1.1. Product identifier

ORCON F

UFI:

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

Use of the substance/mixture

Adhesives, sealants

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	MOLL bauökologische Produkte GmbH proclima	
Street:	Rheintalstraße 35 - 43	
Place:	D-68723 Schwetzingen	
Telephone:	+49 (0) 6202 2782-0	Telefax: +49 (0) 6202 2782-21
e-mail:	info@proclima.de	
e-mail (Contact person):	info@proclima.de	
Internet:	http://www.proclima.de	
Responsible Department:	info@proclima.de	

1.4. Emergency telephone number:

Emergency medical information in case of poisoning: Poison Information Centre +49 551 19240 (24-hour advice in German or English)

Further Information

No information available.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

2.2. Label elements

GB CLP Regulation

Special labelling of certain mixtures

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one, reaction mass of 5 -chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

2.3. Other hazards

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64-17-5	ethanol, ethyl alcohol			5 - < 10 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one			< 0.1 %
	220-120-9	613-088-00-6	01-2120761540-60	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H302 H315 H318 H317 H400			
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)			< 0.1 %
	-	613-167-00-5	01-2120764691-48	
	Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314 H318 H317 H400 H410 EUH071			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
64-17-5	200-578-6	ethanol, ethyl alcohol	5 - < 10 %
	inhalation: LC50 = 124,7 mg/l (vapours); oral: LD50 = 10470 mg/kg Eye Irrit. 2; H319: >= 50 - 100		
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	< 0.1 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = 670 mg/kg Skin Sens. 1; H317: >= 0,05 - 100 M acute; H400: M=1		
55965-84-9	-	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	< 0.1 %
	inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: LD50 = 660 mg/kg; oral: LD50 = 457 mg/kg Skin Corr. 1C; H314: >= 0,6 - 100 Skin Irrit. 2; H315: >= 0,06 - < 0,6 Eye Dam. 1; H318: >= 0,6 - 100 Eye Irrit. 2; H319: >= 0,06 - < 0,6 Skin Sens. 1A; H317: >= 0,0015 - 100 M acute; H400: M=100 M chron.; H410: M=100		

Further Information

No further relevant information available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No special measures are necessary.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Provide fresh air. Call a doctor if you feel unwell.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

Remove contaminated, saturated clothing immediately.

In case of skin irritation, consult a physician.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Let water be drunken in little sips (dilution effect). Never give anything by mouth to an unconscious person or a person with cramps.
Do NOT induce vomiting.

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

No information available.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.
Dry extinguishing powder, Carbon dioxide (CO2), Water spray jet
In case of major fire and large quantities: alcohol resistant foam, Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Ammonia (NH3), Sulphur oxides, Carbon monoxide, Nitrogen oxides (NOx), Carbon dioxide (CO2).

5.3. Advice for firefighters

Special protective equipment for firefighters Protective clothing.
In case of fire: Wear self-contained breathing apparatus.
Remove persons to safety.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

See protective measures under point 7 and 8.
Wear personal protection equipment (refer to section 8).
Avoid contact with skin, eyes and clothes.
Provide adequate ventilation.
In case of inadequate ventilation wear respiratory protection.

For non-emergency personnel

Remove persons to safety.

For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into soil/subsoil.
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment

Stop leak if safe to do so. Wipe up with absorbent material (eg. cloth, fleece).

Handling larger quantities: Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Container should not be closed gas-tight.

For cleaning up

Wash with plenty of water. Clean with detergents. Avoid solvent cleaners.

Other information

Provide fresh air.

6.4. Reference to other sections

See protective measures under point 7 and 8.
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

See section 8. Wear personal protection equipment (refer to section 8).
Keep container tightly closed.
Clear spills immediately.
Avoid release to the environment.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

Work in well-ventilated zones or use proper respiratory protection.
Only wear fitting, comfortable and clean protective clothing.
Avoid contact with skin, eyes and clothes.
Wash hands and face before breaks and after work and take a shower if necessary.
Use protective skin cream before handling the product.
When using do not eat, drink, smoke, sniff.

Further information on handling

Observe instructions for use.
Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place.
Protect from sunlight.
Avoid: extreme temperatures

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.
Keep away from: Oxidizing agent, Acids

Further information on storage conditions

Keep away from:

Heat
Humidity
Frost

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
-	Silica, amorphous, inhalable dust	-	6		TWA (8 h)	WEL
7440-21-3	Silicon, respirable dust	-	4		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
64-17-5	ethanol, ethyl alcohol		
Consumer DNEL, long-term	oral	systemic	87 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	206 mg/kg bw/day
Worker DNEL, long-term	dermal	systemic	343 mg/kg bw/day
Consumer DNEL, acute	inhalation	local	950 mg/m³
Worker DNEL, acute	inhalation	local	1900 mg/m³
Consumer DNEL, long-term	inhalation	systemic	114 mg/m³
Worker DNEL, long-term	inhalation	systemic	950 mg/m³
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one		
Worker DNEL, long-term	inhalation	systemic	6,81 mg/m³
Worker DNEL, long-term	dermal	systemic	0,966 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	1,2 mg/m³
Consumer DNEL, long-term	dermal	systemic	0,345 mg/kg bw/day
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)		
Worker DNEL, long-term	inhalation	local	0,02 mg/m³
Worker DNEL, acute	inhalation	local	0,04 mg/m³
Consumer DNEL, long-term	inhalation	local	0,02 mg/m³
Consumer DNEL, acute	inhalation	local	0,04 mg/m³
Consumer DNEL, long-term	oral	systemic	0,09 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	0,11 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
64-17-5	ethanol, ethyl alcohol	
Freshwater		0,96 mg/l
Freshwater (intermittent releases)		2,75 mg/l
Marine water		0,79 mg/l
Freshwater sediment		3,6 mg/kg
Marine sediment		2,9 mg/kg
Secondary poisoning		380 mg/kg
Micro-organisms in sewage treatment plants (STP)		580 mg/l
Soil		0,63 mg/kg
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	
Freshwater		0,00403 mg/l
Freshwater (intermittent releases)		0,0011 mg/l
Marine water		0,000403 mg/l
Freshwater sediment		0,0499 mg/kg
Marine sediment		0,00499 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,03 mg/l
Soil		3 mg/kg
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	
Freshwater		0,00339 mg/l
Freshwater (intermittent releases)		0,00339 mg/l
Marine water		0,00339 mg/l
Freshwater sediment		0,027 mg/kg
Marine sediment		0,027 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,23 mg/l
Soil		0,01 mg/kg

8.2. Exposure controls

Appropriate engineering controls

No special measures are necessary.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: Eye glasses EN 166

Hand protection

Tested protective gloves must be worn: EN ISO 374
Unsuitable material:Fabric, Leather articles
Suitable material: CR (polychloroprene, chloroprene rubber), Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber)

Thickness of the glove material, Breakthrough times and swelling properties of the material must be taken into consideration.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves

mentioned above together with the supplier of these gloves.
Wear cotton undermitten if possible.
Check leak tightness/impermeability prior to use.

Skin protection

Suitable protective clothing: Protective clothing

Respiratory protection

Usually no personal respirative protection necessary.
If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. (To follow: air limit values - silicon dioxide, amorphous, synthetic)

Thermal hazards

not relevant

Environmental exposure controls

Provide for retaining containers, e.g. floor pan without outflow.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	green
Odour:	characteristic

		Test method
Changes in the physical state		
Melting point/freezing point:	No data available	
Boiling point or initial boiling point and boiling range:	100 °C	
Sublimation point:	No data available	
Softening point:	No data available	
Pour point:	No data available	
Flash point:	>100 °C	
Flammability		
Solid/liquid:	No data available	
Gas:	No data available	
Explosive properties		
No information available.		
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Auto-ignition temperature:	not determined	
Self-ignition temperature		
Solid:	No data available	
Gas:	No data available	
Decomposition temperature:	No data available	
pH-Value:	9	
Viscosity / dynamic: (at 20 °C)	206.000-290.000 mPa·s	Brookfield
Viscosity / kinematic: (at 20 °C)	203.380-286.310 mm²/s	Brookfield

Water solubility: (at 20 °C)	No data available

Solubility in other solvents

No information available.

Partition coefficient n-octanol/water:	No data available
Vapour pressure: (at 20 °C)	No data available
Density (at 20 °C):	1,0129 g/cm³
Relative vapour density:	No data available

9.2. Other information

Information with regard to physical hazard classes

Sustaining combustion:	No data available

Oxidizing properties

No information available.

Other safety characteristics

Solvent content:	No data available
Solid content:	No data available
Evaporation rate:	No data available

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

extreme temperatures

10.5. Incompatible materials

Oxidizing agent, Acids

10.6. Hazardous decomposition products

Reference to other sections: 5

Further information

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicocinetics, metabolism and distribution

The product has not been tested.

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
64-17-5	ethanol, ethyl alcohol					
	oral	LD50 mg/kg	10470	Rat	Study report (1976)	OECD Guideline 401
	inhalation (4 h) vapour	LC50 mg/l	124,7	Rat	Study report (1980)	OECD Guideline 403
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one					
	oral	LD50 mg/kg	670	Rat	Study report (1988)	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rat	Study report (1994)	OECD Guideline 402
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)					
	oral	LD50 mg/kg	457	Rat	Study report (1993)	- Principle of test: The test material w
	dermal	LD50 mg/kg	660	Rabbit	Study report (1993)	- Principle of test: The undiluted test
	inhalation vapour	ATE	0,5 mg/l			
	inhalation dust/mist	ATE	0,05 mg/l			

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

Further information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Calculation method. Based on available data, the classification criteria are not met.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
64-17-5	ethanol, ethyl alcohol						
	Acute fish toxicity	LC50	15400 mg/l	96 h	Lepomis macrochirus	Bulletin of Environmental Contamination	other: EPA-660/3-75-009, 1975
	Acute algae toxicity	ErC50	ca. 22000 mg/l	96 h	Pseudokirchneriella subcapitata	Ecotoxicology and Environmental Safety 7	OECD Guideline 201
	Acute crustacea toxicity	EC50	> 10000 mg/l	48 h	Daphnia magna	Water Research 23(4): 495-499 (1989)	other: DIN 38412 Teil 11
	Fish toxicity	NOEC	> 79 mg/l	100 d	Oryzias latipes	Environmental Toxicology and Chemistry,	Chronic effects of substance on reproduc
	Algae toxicity	NOEC	5400 mg/l	5 d	Skeletonema costatum	Environ Toxicol Chem 8(5):451-455. (1989	Study to determine the sensitivity of a
	Crustacea toxicity	NOEC	2 mg/l	10 d	Ceriodaphnia dubia	Arch Environ Contam Toxicol 20(2):211-21	Follows the basic methodology for the th
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one						
	Acute fish toxicity	LC50	ca. 16,7 mg/l	96 h	Cyprinodon variegatus	REACh Registration Dossier	other:
	Acute algae toxicity	ErC50	0,15 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (1994)	OECD Guideline 201
	Acute crustacea toxicity	EC50	2,94 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
	Algae toxicity	NOEC	0,0403 mg/l	72 d			
	Acute bacteria toxicity	(EC50	13 mg/l)	3 h	activated sludge of a predominantly domestic sewag	REACh Registration Dossier	OECD Guideline 209
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)						
	Acute fish toxicity	LC50	0,19 mg/l	96 h	Oncorhynchus mykiss	REACh Registration Dossier	EPA OPP 72-1
	Acute algae toxicity	ErC50	0,0063 mg/l	72 h	Skeletonema costatum	Study report (1995)	OECD Guideline 201
	Acute crustacea toxicity	EC50	0,18 mg/l	48 h	Daphnia magna	REACh Registration Dossier	EPA OPP 72-2
	Fish toxicity	NOEC	>= 0,0464 mg/l	35 d	Danio rerio	REACh Registration Dossier	OECD Guideline 210
	Crustacea toxicity	NOEC	0,1 mg/l	21 d	Daphnia magna	Study report (1991)	EPA OPP 72-4
	Acute bacteria toxicity	(EC50	4,5 mg/l)	3 h	activated sludge of a predominantly domestic sewag	Study report (1995)	OECD Guideline 209

12.2. Persistence and degradability

No further relevant information available.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64-17-5	ethanol, ethyl alcohol			
		97%	28	
	Readily biodegradable (according to OECD criteria).			
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one			
	OECD 303A Activated sludge S 978	>70%		
	OECD 302B Activated sludge S 3509	90%		
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)			
	Biodegradation	>60 %	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,77
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	0,63
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	0,326

BCF

CAS No	Chemical name	BCF	Species	Source
64-17-5	ethanol, ethyl alcohol	1	Cyprinus carpio	Comparative Biochemi
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	ca. 6,62	Lepomis macrochirus	REACh Registration D
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	ca. 54	Lepomis macrochirus	Study report (1996)

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Germany: water hazard class 1

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.
Non hazardous waste according to Directive 2008/98/EC (waste framework directive).

List of Wastes Code - residues/unused products

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

Contaminated packaging

Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

No information available.

Other applicable information

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 40, Entry 75

2010/75/EU (VOC): 12,85 % (136,21 g/l)

2004/42/EC (VOC): 9,93 % (100,582 g/l)

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
Classification according to Regulation (EC) No 1272/2008 [CLP]
DIRECTIVE (EU) 2018/851 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCILof 30 May 2018amending Directive 2008/98/EC on waste
DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
ethanol, ethyl alcohol
1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,5,6,7,8,9,10,11,12,14,15.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:Règlement international conernat le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
EC50: Effectice concentration, 50 percent
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal 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.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one, reaction mass of 5 -chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

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