according to Regulation (EC) No. 1907/2006



SPEKTRA PREMIUM B1-B3

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

1.1	Product	identifier
	1100000	1001101101

Trade name	:	SPEKTRA PREMIUM B1-B3
Product code	:	Please see section 16 for detailed data

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

Use of the Sub-	: SU19Building and construction work
stance/Mixture	, PROC10, PROC11 Professional and consumer use of coat-
	ings, Roller application or brushing, Non industrial spraying
	PC9a Coatings and paints, thinners, paint removers

1.3 Details of the supplier of the safety data sheet

Company	:	Helios TBLUS d.o.o. Količevo 65 1230 Domžale Slovenia
Telephone Company	:	386 (1) 722 4383
Telefax Company	:	386 (1) 722 4310
Responsible/issuing person	:	386 (1) 722 4383 productsafety@helios.si

1.4 Emergency telephone number

BELGISCH ANTIGIFCENTRUM 070 245 245

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Precautionary statements : P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. according to Regulation (EC) No. 1907/2006



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Additional Labelling

EUH208	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2- methyl-4- isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1). May produce an allergic reaction.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature

: Waterborne paint

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 	>= 0,0025 - < 0,025
reaction mass of: 5-chloro-2- me- thyl-4-isothiazolin-3-one and 2- methyl-2H -isothiazol-3- one (3:1)	55965-84-9 613-167-00-5 01-2120764691-48	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310 Skin Corr. 1C; H314	>= 0,0002 - < 0,0015
	012120704031-40	Eye Dam. 1; H318	

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			Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071
			M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100
			specific concentration limit Skin Corr. 1C; H314 >= $0,6 \%$ Skin Irrit. 2; H315 0,06 - < 0,6 % Eye Irrit. 2; H319 0,06 - < 0,6 % Skin Sens. 1A; H317 >= $0,0015 \%$ Eye Dam. 1; H318 >= $0,6 \%$
Subst	ances with a workp	lace exposure limit :	
Talc		14807-96-6 238-877-9 01-212014027	78-58

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	Do not leave the victim unattended.
If inhaled	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes.
In case of eye contact	:	Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do not give milk or alcoholic beverages.

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Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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

None known.

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

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SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or car- bon dioxide.
5.2 Special hazards arising from	the	e substance or mixture
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion prod- ucts	:	No hazardous combustion products are known
5.3 Advice for firefighters		
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if nec- essary.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Avoid contact with skin and eyes. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.
6.2 Environmental precautions Environmental precautions	:	Prevent product from entering drains.

If the product contaminates rivers and lakes or drains inform respective authorities.

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Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal. 6.4 Reference to other sections See sections: 7, 8, 11, 12 and 13. SECTION 7: Handling and storage 7.1 Precautions for safe handling Advice on safe handling For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against : Normal measures for preventive fire protection. fire and explosion

Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

6.3 Methods and material for containment and cleaning up

The optimition of our otorago,		idanig any moompanointioo
Requirements for storage areas and containers	:	Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / work-ing materials must comply with the technological safety standards.
Advice on common storage	:	No materials to be especially mentioned.
Further information on stor- age stability	:	No decomposition if stored and applied as directed.
7.3 Specific end use(s)		
Specific use(s)	:	For further information, refer to the product technical data sheet.
		Consult the technical guidelines for the use of this sub-

stance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
titanium dioxide	13463-67-7	TLV 8 hr	10 mg/m3	BE OEL
Talc	14807-96-6	TLV 8 hr (Res- pirable dust)	2 mg/m3	BE OEL
		TWA (Respirable dust)	0,1 mg/m3	2004/37/EC
	Further inform	nation: Carcinogens	or mutagens	
silicic acid, alumi-	1344-00-9	TLV 8 hr (respir-	1 mg/m3	BE OEL

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num soc	lium salt	ab	le fraction) (A	luminium)	
Derived	No Effect Lev	el (DNEL) acco	rding to Regulatior	n (EC) No. 1907/2006:	
Substan	ce name	End Use	Exposure routes	Potential health ef- fects	Value
Calcium	carbonate	Workers	Inhalation	Long-term local ef- fects	4,26 mg/m
		Consumers	Inhalation	Long-term local ef- fects	1,06 mg/m
titanium	dioxide	Workers	Inhalation	Long-term local ef- fects	10 mg/m3
		Consumers	Oral	Long-term systemic effects	700 mg/kg bw/day
Talc		Workers	Inhalation	Acute systemic ef- fects	2,16 mg/m
		Workers	Inhalation	Acute local effects	3,6 mg/m3
		Consumers	Inhalation	Acute systemic ef- fects	1,08 mg/m
		Consumers	Inhalation	Acute local effects	1,8 mg/m3
		Consumers	Dermal	Long-term local ef- fects	2,27 mg/cn
		Workers	Dermal	Long-term local ef- fects	4,54 mg/cn
		Consumers	Oral	Long-term systemic effects	160 mg/kg bw/day
		Consumers	Oral	Acute systemic ef- fects	160 mg/kg bw/day
		Workers	Dermal	Long-term systemic effects	43,2 mg/kg bw/day
		Consumers	Dermal	Long-term systemic effects	21,6 mg/kg bw/day
sodium s		Workers	Inhalation	Long-term local ef- fects	4 mg/m3
1,2-benz 3(2H)-or	zisothiazol- ne	Workers	Inhalation	Long-term systemic effects	6,81 mg/m
		Workers	Dermal	Long-term systemic effects	0,966 mg/k bw/day
		Consumers	Inhalation	Long-term systemic effects	1,2 mg/m3
		Consumers	Dermal	Long-term systemic effects	0,345 mg/k bw/day
chloro-2 isothiazo 2-methy	mass of: 5- - methyl-4- blin-3-one and I-2H - bl-3- one (3:1)	Consumers	Inhalation	Acute local effects	0,04 mg/m
		Workers	Inhalation	Long-term local ef- fects	0,02 mg/m
		Workers	Inhalation	Acute local effects	0,04 mg/m
		Consumers	Inhalation	Long-term local ef- fects	0,02 mg/m
		Consumers	Oral	Long-term systemic	0,09 mg/kg

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0,00339 mg/l

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I		I		1	effects		bw/day
		Consume	ers	Oral	Acute system	nic ef-	0,11 mg/kg bw/day
Predi	icted No Effect Co	oncentrati	on (PN	EC) according		C) No. 19	
	tance name			ronmental Com			alue
	um carbonate			age treatment p			00 mg/l
	um dioxide		Soil	ago aoaanoni p			00 mg/kg dry
			0011				eight (d.w.)
			Mari	ne water			,0184 mg/l
				h water			,184 mg/l
				ne sediment			00 mg/kg dry
			Ivian				veight (d.w.)
-			Fres	h water sedime	nt		000 mg/kg dry
			1100	in water scaline			eight (d.w.)
			Sew	age treatment p	lant		00 mg/l
				mittent use/rele			,193 mg/l
Talc				ne water			41,26 mg/l
			-	h water			97,97 mg/l
				ne sediment			,13 mg/kg dry
							eight (d.w.)
			Fres	h water sedime	nt		1,33 mg/kg dry
							eight (d.w.)
			Inter	mittent use/rele	ase		97,97 mg/l
1.2-b	enzisothiazol-3(2H	I)-one		h water			,00403 mg/l
	Υ.	1	Inter	mittent use/rele	ase		,0011 mg/l
				ne water			,000403 mg/l
			Sew	age treatment p	lant		,03 mg/l
				h water sedime			,0499 mg/kg dry
							eight (d.w.)
			Mari	ne sediment		0	,00499 mg/kg
							ry weight (d.w.)
			Soil			3	mg/kg dry
						W	/eight (d.w.)
	ion mass of: 5-chlo		Soil				,01 mg/kg dry
	yl-4-isothiazolin-3- thyl-2H -isothiazol					W	eight (d.w.)
			Mari	ne water		0	,00339 mg/l
			Fres	h water			,00339 mg/l
			Mari	ne sediment		0	,027 mg/kg dry
							eight (d.w.)
			Fres	h water sedime	nt	0	,027 mg/kg dry
							eight (d.w.)
			Sew	age treatment p	lant		,23 mg/l
1			1 1				00000

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Equipment should conform to EN 166 Hand protection

Intermittent use/release

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Gl	oves	butyl-rubber (> 0 Viton® (> 0,6 m	0,1 mm; < 60 min); DIN EN374),6 mm; < 240 min); DIN EN374 m; < 240 min); DIN EN374),1 mm; < 240 min); DIN EN374
Re	emarks	breakthrough time gloves. Also take i	e instructions regarding permeability and which are provided by the supplier of the nto consideration the specific local condi- the product is used, such as the danger of d the contact time.
	and body protection ratory protection	: Protective suit	ratory protective equipment normally re-

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Colour Odour Odour Threshold	:	liquid in accordance with the product description No information available. No data available
Flammability	:	Not applicable
Flash point	:	Not applicable
рН	:	No data available
Viscosity Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)
Solubility(ies) Water solubility Solubility in other solvents	:	completely miscible No data available
Partition coefficient: n- octanol/water Density	:	No data available 1,47 - 1,63 g/cm3

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

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10.3 Poss	ibility of hazardou	s reactions	
Haza	rdous reactions		r recommended storage conditions. to be specially mentioned.
10.4 Conc	litions to avoid		
Cond	itions to avoid	: No data ava	ilable
10.5 Incor	npatible materials		
Mater	ials to avoid	: Incompatible	with strong acids and bases.
	rdous decomposit ecomposition if store	ion products ed and applied as direc	ted.
SECTION	11: Toxicologic	al information	
		classes as defined in	Regulation (EC) No 1272/2008
	e toxicity lassified based on a	vailable information.	
<u>Com</u>	oonents:		
	enzisothiazol-3(2H)-one:	
Acute	oral toxicity	: Assessment: single ingesti	The component/mixture is moderately toxic after on.
-	corrosion/irritation lassified based on a	vailable information.	
<u>Com</u>	oonents:		
1,2-b	enzisothiazol-3(2H)-one:	
Resu	lt	: irritating	
	us eye damage/ey lassified based on a	e irritation vailable information.	
Com	ponents:		
1,2-b e Resul	enzisothiazol-3(2H)-one: : Corrosive	
	. ,	sitisation	
Resp	iratory or skin sen		
Skin	sensitisation	vailable information.	

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Components:

1,2-benzisothiazol-3(2H)-one:

Result

: Probability or evidence of skin sensitisation in humans

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

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Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

1,2-benzisothiazol-3(2H)-one:

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

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To	xicity to fish	:	LC50 (Salvelinus na Exposure time: 96 h	maycush (lake trout)): >= 10,85 mg/l
	xicity to algae/aquatic ints	:	LC50 (algae): >= 0,8 Exposure time: 48 h	32 mg/l
			LC50 (algae): 0,018 Exposure time: 72 h	mg/l
M- icit	Factor (Acute aquatic to y)	x- :	100	
	Factor (Chronic aquatic iicity)	:	100	
	rsistence and degrada	bility		
12.3 Bi	oaccumulative potentia	al		
<u>Co</u>	mponents:			
Pa	2-benzisothiazol-3(2H)- rtition coefficient: n- tanol/water	one: :	log Pow: 1,3	
	bbility in soil data available			
12.5 Re	sults of PBT and vPvE	8 asses	ssment	
Pro	oduct:			
As	sessment	:	to be either persister	ure contains no components considered nt, bioaccumulative and toxic (PBT), or very bioaccumulative (vPvB) at levels of
12.6 En	docrine disrupting pro	opertie	S	
Pro	oduct:			
As	sessment	:	ered to have endocr REACH Article 57(f)	ure does not contain components consid- ine disrupting properties according to or Commission Delegated regulation Commission Regulation (EU) 2018/605 at her.
12.7 Ot	her adverse effects			
Pro	oduct:			
	ditional ecological infor- ition	:	unprofessional hand	azard cannot be excluded in the event of ling or disposal. fe with long lasting effects.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	The product should not be allowed to enter drains, water courses or the soil.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal.
Waste Code	:	08 00 00, WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS 08 01 00, wastes from MFSU and removal of paint and var- nish 08 01 11, waste paint and varnish containing organic solvents or other hazardoussubstances 15 00 00, WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED 15 01 00, packaging (including separately collected municipal packaging waste) 15 01 10, packaging containing residues of or contaminated by hazardoussubstances

SECTION 14: Transport information

14.1 UN number or ID number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.2 UN proper shipping name		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.3 Transport hazard class(es)		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good

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RID	3	5	s a dangerous good s a dangerous good		
IATA 14.4 Packing group		-	: Not regulated as a dangerous good		
ADN		U U	s a dangerous good		
ADR RID		: Not regulated a	s a dangerous good s a dangerous good		
	(Cargo)	: Not regulated a	s a dangerous good s a dangerous good		
	A (Passenger) ironmental hazards	: Not regulated a	s a dangerous good		
	Not regulated as a dangerous good 14.6 Special precautions for user				
Not applicable 14.7 Maritime transport in bulk according to IMO instruments					
Not a	Not applicable for product as supplied.				
SECTION 15: Regulatory information					

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

ture		
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 75 If you intend to use this product as tattoo ink, please contact your ven- dor.
		Zinc pyridinethione (Number on list 30)
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	:	Not applicable
Regulation (EC) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
Seveso III: Directive 2012/18/EU of the Euro-	Not	applicable

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pean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.					
Volatile organic compounds : Directive 2004/42/EC Volatile organic compounds (VOC) content: 9 g/l					
15.2 Chemical safety assessment A Chemical Safety Assessment is not required for this substance.					

SECTION 16: Other information

Full text of H-Statements

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.
H330	:	Fatal 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.
EUH071	:	Corrosive to the respiratory tract.
Full text of other abbreviati	ons	
Acute Tox.	:	Acute toxicity
Acute Tox. Aquatic Acute	:	Acute toxicity Short-term (acute) aquatic hazard
	:	
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Acute Aquatic Chronic	:	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard
Aquatic Acute Aquatic Chronic Eye Dam.	: : : : : : : : : : : : : : : : : : : :	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage
Aquatic Acute Aquatic Chronic Eye Dam. Skin Corr.		Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Skin corrosion
Aquatic Acute Aquatic Chronic Eye Dam. Skin Corr. Skin Irrit.		Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Skin corrosion Skin irritation
Aquatic Acute Aquatic Chronic Eye Dam. Skin Corr. Skin Irrit. Skin Sens.		Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Skin corrosion Skin irritation Skin sensitisation
Aquatic Acute Aquatic Chronic Eye Dam. Skin Corr. Skin Irrit. Skin Sens.		Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Skin corrosion Skin irritation Skin sensitisation Europe. Directive 2004/37/EC on the protection of workers
Aquatic Acute Aquatic Chronic Eye Dam. Skin Corr. Skin Irrit. Skin Sens.		Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Skin corrosion Skin irritation Skin sensitisation Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens
Aquatic Acute Aquatic Chronic Eye Dam. Skin Corr. Skin Irrit. Skin Sens. 2004/37/EC		Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Skin corrosion Skin irritation Skin sensitisation Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
Aquatic Acute Aquatic Chronic Eye Dam. Skin Corr. Skin Irrit. Skin Sens. 2004/37/EC BE OEL		Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Skin corrosion Skin irritation Skin sensitisation Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work Belgium. Occupational exposure limit values

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006



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sociated with x% growth rate response: GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Material codes (bulk) for which the SDS is valid

400672 , 480101, 480102, 480103

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.