

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected! Never pour anything into the mouth of an unconscious person! Inhalation

Monitoring procedures BMGV: ---B

GB Chemical Name WEL-TWA: 5 mg/m3

Other information: ---

Other information:

Diisononyl phthalate WEL-STEL:



age 2 of 8													
Safety data sheet acco Revision date / version Replacing version date /alid from: 14.11.2022	ed / version: 14.11.2022 2		c 11					Environment - sediment, freshwater		PNEC	1,5	mg/kg dw	Fü ent ect des Sila
PDF print date: 09.11. wissporBoard SB 91	2023 1 Hybrid Kleb- und Dicht	stoff											ol (Hy
Chemical Nam													lys dul
VEL-TWA: 4 mg/m3 0 mg/m3 (total inhala	able dust)	WEL-STEL:						F acility and the second		DNIEG	0.45		eri lt.
Ionitoring procedures MGV:	s:		Other in	nformatio	n:			Environment - sediment, marine		PNEC	0,15	mg/kg dw	Fü
Chemical Nam /EL-TWA: 5 mg/m3	e Iron(III)oxide	WEL-STEL: 10 mg/m	3 (fume a	s Fe)									de Si
touge: 4 mg/m3 (resp total inh. dust)	o. dust), 10 mg/m3	WEE OTEE. To high	io (iunio, u	310)									ol
Monitoring procedures	3:		Other in	nformatio	n:								(H lys du
Chemical Nam	e Dialuminium	cobalt tetraoxide		Inormation									er It.
/EL-TWA: 0,1 mg/r	m3 (cobalt and	WEL-STEL:						Environment - soil		PNEC	0,06	mg/kg dw	F
otal inhal. dust), 4 m luminium oxides)												uw	e
onitoring procedures	m	O 15202 (Workplace ai etalloids in airborne par	ticulate ma	tter by In	ductively C	oupled							S
	20	asma Atomic Emission 012(Part 2), 2004 (Part 3											(H
	IF.	card 83-1 (2004) A 7808 (Metalle (Arsen	, Beryllium	, Cadmiur	m, Cobalt, I	Nickel)							d
	M	nd ihre Verbindungen (I DHS 91/2 (Metals and r	netalloids i	n workpla	ace air by X		Consumer	Human - dermal	Short term,	DNEL	0,1	mg/kg	lt
	- BC	orescence spectrometr C/CEN/ENTR/000/2002	-16 card 8	3-3 (2004)		Consumer	Human - dermal	systemic effects Long term,	DNEL	0,63	bw/day mg/kg	-
	NI	OSH 7027 (Cobalt and OSH 7300 (ELEMENT:				Ashing)) -	Consumer	Human - inhalation	systemic effects Long term,	DNEL	6,8	bw/day mg/m3	+-
	- NI	003 OSH 7301 (Elements b					Consumer	Human - oral	systemic effects Long term,	DNEL	0,63	mg/kg	+
	- 20	OSH 7303 (Elements b 003			-		Consumer	Human - inhalation	systemic effects Short term,	DNEL	93,4	bw/day mg/m3	+
	- at	SHA ID-121 (Metal and mospheres (Atomic abs	orption)) -	2002			Workers /	Human - dermal	systemic effects Long term,	DNEL	0,91	mg/kg	+
	- at	SHA ID-125G (Metal an mospheres (ICP)) - 200	2				employees Workers /	Human - inhalation	systemic effects Long term,	DNEL	27,6	bw/day mg/m3	+-
		SHA ID-213 (Tungsten CP analysis)) - 1994		-		pheres	employees Workers /	Human - inhalation	systemic effects Short term,	DNEL	4,9	mg/m3	+
MGV:	e Methanol		Other in	nformatio	n:		employees		systemic effects			_	
Chemical Nam EL-TWA: 200 ppn /EL), 200 ppm (260	n (266 mg/m3)	WEL-STEL: 250 ppm (WEL)	ı (333 mg/r	n3			Titanium dioxide (in p	powder form containing	1 % or more of part	icles with a	aerodyna	mic diame	eter <
onitoring procedures	s: - Dr - Co - Co	aeger - Alcohol 25/a M ompur - KITA-119 SA (5 ompur - KITA-119 U (54	549 640) 19 657)			(5)	μm) Area of application	Exposure route / Environmental compartment	Effect on health	Descri ptor	Valu e	Unit	N
	(S	FG Meth. Nr. 6 (D) (Loe olvent mixtures 6) - 201	3, 2002 - 6	EU projec	t	(E)		Environment - freshwater		PNEC	0,18 4	mg/l	
	- NI	C/CEN/ENTR/000/2002 OSH 2000 (METHANO OSH 2549 (VOLATILE	L) - 1998					Environment - marine		PNEC	0,01 84	mg/l	
	- (S	CREENING)) - 1996 OSH 3800 (ORGANIC						Environment - water, sporadic		PNEC	0,19 3	mg/l	
		KTRACTIVE FTIR SPE	CTROMET	RY) - 201				(intermittent) release Environment -		PNEC	100	mg/l	
MGV:			CTROMET CH 29 701	RY) - 201)				(intermittent) release		PNEC	100	mg/l	
MGV:		KTRACTIVE FTIR SPE	CTROMET CH 29 701	RY) - 201)	16			(intermittent) release Environment - sewage treatment		PNEC	100 100 0	mg/l mg/kg dw	
imethoxyvinylsilan	- Dr	KTRACTIVE FTIR SPE	CTROMET CH 29 701	RY) - 201) nformation	16 n: Sk (WI			(intermittent) release Environment - sewage treatment plant Environment - sediment, freshwater Environment - sediment, marine		PNEC PNEC	100 0 100	mg/kg dw mg/kg dw	
	- Dr	KTRACTIVÈ FTIR SPEI aeger - Alcohol 100/a (CTROMET CH 29 701 Other in	RY) - 201)	16	EL, EU)		(intermittent) release Environment - sewage treatment plant Environment - sediment, freshwater Environment - sediment, marine Environment - soil		PNEC PNEC PNEC	100 0 100 100	mg/kg dw mg/kg dw mg/kg dw	
imethoxyvinylsilan	- Dr Exposure route / Environmental Environment -	KTRACTIVE FTIR SPE aeger - Alcohol 100/a (CTROMET CH 29 701 Other in Descri	RY) - 201) nformation	16 n: Sk (WI	EL, EU)		(intermittent) release Environment - sewage treatment plant Environment - sediment, freshwater Environment - sediment, marine Environment - soil Environment - oral (animal feed)		PNEC PNEC PNEC PNEC	100 0 100 100 166 7	mg/kg dw mg/kg dw mg/kg dw mg/kg feed	
imethoxyvinylsilan	- Dr	KTRACTIVE FTIR SPE aeger - Alcohol 100/a (CTROMET CH 29 701 Other in Descri ptor	RY) - 201) nformation Valu e	16 n: Sk (WI	EL, EU) Note Für entspr echen	Consumer	(intermittent) release Environment - sewage treatment plant Environment - sediment, freshwater Environment - sediment, marine Environment - soil Environment - oral (animal feed) Human - oral	Long term, systemic effects	PNEC PNEC PNEC PNEC DNEL	100 0 100 100 166 7 700	mg/kg dw mg/kg dw mg/kg dw mg/kg feed mg/kg bw/d	
imethoxyvinylsilan	- Dr Exposure route / Environmental Environment -	KTRACTIVE FTIR SPE aeger - Alcohol 100/a (CTROMET CH 29 701 Other in Descri ptor	RY) - 201) nformation Valu e	16 n: Sk (WI	EL, EU) Note Für entspr echen des Silantri	Consumer Workers / employees	(intermittent) release Environment - sewage treatment plant Environment - sediment, freshwater Environment - sediment, marine Environment - soil Environment - oral (animal feed)		PNEC PNEC PNEC PNEC	100 0 100 100 166 7	mg/kg dw mg/kg dw mg/kg feed mg/kg	
imethoxyvinylsilan	- Dr Exposure route / Environmental Environment -	KTRACTIVE FTIR SPE aeger - Alcohol 100/a (CTROMET CH 29 701 Other in Descri ptor	RY) - 201) nformation Valu e	16 n: Sk (WI	EL, EU) Note Für entspr echen des Silantri ol (Hydro	Workers / employees	(intermittent) release Environment - sewage treatment plant Environment - sediment, freshwater Environment - sediment, marine Environment - soil Environment - oral (animal feed) Human - oral	systemic effects Long term,	PNEC PNEC PNEC PNEC DNEL	100 0 100 100 166 7 700	mg/kg dw mg/kg dw mg/kg dw mg/kg feed mg/kg bw/d	
imethoxyvinylsilan	- Dr Exposure route / Environmental Environment -	KTRACTIVE FTIR SPE aeger - Alcohol 100/a (CTROMET CH 29 701 Other in Descri ptor	RY) - 201) nformation Valu e	16 n: Sk (WI	EL, EU) Note Für entspr echen des Silantri ol	Workers /	(intermittent) release Environment - sewage treatment plant Environment - sediment, freshwater Environment - sediment, marine Environment - oral (animal feed) Human - oral Human - inhalation	systemic effects Long term, local effects	PNEC PNEC PNEC PNEC DNEL DNEL	100 0 100 100 166 7 700 10 Valu	mg/kg dw mg/kg dw mg/kg dw mg/kg feed mg/kg bw/d	
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GB Page 3 of 8 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.11.2022 / 0001 Replacing version dated / version: 14.11.2022 / 0001 Vaiid from: 14.11.2022 PDF print date: 09.11.2023

swissporBoard SB 911 Hybrid Kleb- und Dichtstoff

Area of application	Exposure route / Environmental compartment	Effect on health	Descri ptor	Valu e	Unit	Note
Workers /	Human - inhalation	Long term,	DNEL	10	mg/m3	
employees		local effects				

Methanol Area of application	Exposure route / Environmental	Effect on health	Descri ptor	Valu e	Unit	Note
	compartment		•			
	Environment -		PNEC	154	mg/l	
	freshwater					
	Environment -		PNEC	15,4	mg/l	
	marine					
	Environment -		PNEC	570,	mg/kg	
	sediment, freshwater			4		
	Environment -		PNEC	57,0	mg/kg	
	sediment, marine			4		
	Environment - soil		PNEC	23,5	mg/kg	
	Environment -		PNEC	154	mg/l	
	water, sporadic			0		
	(intermittent) release					
	Environment -		PNEC	100	mg/l	
	sewage treatment					
Consumer	plant Human - inhalation		DNEL	26		
Consumer	Human - Innalation	Long term,	DNEL	26	mg/m3	
0	Human - inhalation	local effects Short term.	DNEL	26		
Consumer	Human - Innalation	Short term, local effects	DNEL	26	mg/m3	
Consumer	Human - dermal	Short term.	DNEL	4	mg/kg	
Consumer	Human - dermai	systemic effects	DNEL	4	bw/dav	
Consumer	Human - inhalation	Short term.	DNEL	26	mg/m3	
Consumer	Human - Innaiation	systemic effects	DNEL	20	mg/m3	
Consumer	Human - oral	Short term.	DNEL	4	mg/kg	
Consumer	Human - orai	systemic effects	DNEL	4	bw/day	
Consumer	Human - dermal	Long term.	DNEL	4	mg/kg	
Consumer	numan - dermai	systemic effects	DINEL	4	bw/day	
Consumer	Human - inhalation	Long term,	DNEL	26	mg/m3	
Consumer		systemic effects	DINEL	20	ing/ino	
Consumer	Human - oral	Long term,	DNEL	4	mg/kg	
	Juli Sidi	systemic effects			bw/day	
Workers /	Human - dermal	Short term.	DNEL	20	mg/kg	
employees		systemic effects			bw/day	
Workers /	Human - inhalation	Short term,	DNEL	130	mg/m3	
employees		systemic effects			<u> </u>	
Workers /	Human - inhalation	Short term,	DNEL	130	mg/m3	
employees		local effects			<u> </u>	
Workers /	Human - dermal	Long term,	DNEL	20	mg/kg	
employees		systemic effects			bw/day	
Workers /	Human - inhalation	Long term,	DNEL	130	mg/m3	
employees		systemic effects			-	
Workers /	Human - inhalation	Long term,	DNEL	130	mg/m3	
employees		local effects				

 WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).
 (8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Treative and the second states of the second states and independent of the date of the second states and independent of the date of the second states and the second states and

(b) = innatable fraction (2017/164/EU, 2017/2393/EU). (9) = Kespirable fraction (2017/164/EU), 2017/2393/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage. ** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the card of excitance. the goal of revision.

(13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

should be worn. Applies only if maximum permissible exposure values are listed here. Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques. These are specified by e.g. EN 14042. EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of evene to the biological execute".

exposure to chemical and biological agents"

8.2.2 Individual protection measures, such as personal protective equipment General hygiene measures for the handling of chemicals are applicable Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection: Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection: Chemical resistant protective gloves (EN ISO 374). Recommended Protective gloves in butyl rubber (EN ISO 374). Minimum layer thickness in mm: 0.5

Permeation time (penetration time) in minutes:

> 120 Protective hand cream recommended.

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time

Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection Normally not necessary



Thermal hazards Not applicable

Additional information on hand protection - No tests have been performed. In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and Additional dependence of the second s before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed 8.2.3 Environmental exposure controls No information available at pre **SECTION 9: Physical and chemical properties** 9.1 Information on basic physical and chemical properties
Physical state:
Colour:
Physical state:
Paste, liquid. (DIN ISO 2137)
According to specification
Physical state:
Physical state:
Paste, liquid. (DIN ISO 2137)
Physical state:
Physi Odour: Characteristic Welting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower explosion limit: Upper explosion limit: Elach point: There is no information available on this parameter. Flash point: There is no information available on this parameter. Auto-ignition temperature: There is no information available on this parameter. Decomposition temperature: There is no information available on this parameter. pH: Kinematic viscosity: Mixture is non-soluble (in water). There is no information available on this parameter. Solubility: Partition coefficient n-octanol/water (log value): Insoluble Does not apply to mixtures Vapour pressure: There is no information available on this parameter. Density and/or relative density: Relative vapour density: Particle characteristics:

1.53 g/cm3 There is no information available on this parameter. Does not apply to liquids.

Product is not explosive.

SECTION 10: Stability and reactivity

10.1 Reactivity t been tested. 10.2 Chemical stability Stable with proper storage and handling. 10.3 Possibility of hazardous reactions 10.4 Conditions to avoid Strong he Moisture 10.5 Incompatible materials 10.6 Hazardous decomposition products In case of contact w Methanol

9.2 Other information

Explosives: Oxidising liquids:

SECTION 11: Toxicological information 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Possibly more informatio	Possibly more information on health effects, see Section 2.1 (classification).											
swissporBoard SB 911 Hybrid Kleb- und Dichtstoff												
Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes						
	int			m	1							
Acute toxicity, by oral						n.d.a.						
route:					1							
Acute toxicity, by						n.d.a.						
dermal route:				Í	1							
Acute toxicity, by	ATE	>20	mg/l/			calculated						
inhalation:			4h	Í	1	value,						
				í l	1	Vapours						

						Vapours
Skin						n.d.a.
corrosion/irritation:						
Serious eye						n.d.a.
damage/irritation:						
Respiratory or skin					OECD 429 (Skin	No (skin
sensitisation:					Sensitisation -	contact),
					Local Lymph	Expert
					Node Assay)	judgement
Germ cell						n.d.a.
mutagenicity:						
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ						n.d.a.
toxicity - single						
exposure (STOT-SE):						
Specific target organ						n.d.a.
toxicity - repeated						
OTOT DEV						
exposure (SIUI-RE):						
exposure (STOT-RE): Aspiration hazard:						n.d.a.
Aspiration hazard: Symptoms:						n.d.a. n.d.a.
Aspiration hazard:						
Aspiration hazard: Symptoms: Trimethoxyvinylsilane						
Aspiration hazard: Symptoms:	Endpo	Value	Unit	Organis	Test method	
Aspiration hazard: Symptoms: Trimethoxyvinylsilane	int		Unit	m		n.d.a.
Aspiration hazard: Symptoms: Trimethoxyvinylsilane		Value 7120	Unit mg/k		OECD 401	n.d.a.
Aspiration hazard: Symptoms: TrimethoxyvinyIsilane Toxicity / effect	int			m		n.d.a.
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral	int		mg/k	m	OECD 401 (Acute Oral Toxicity)	n.d.a.
Aspiration hazard: Symptoms: TrimethoxyvinyIsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by	int		mg/k	m	OECD 401 (Acute Oral	n.d.a.
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by	int LD50	7120	mg/k g	m Rat	OECD 401 (Acute Oral Toxicity)	n.d.a.
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by	int LD50	7120	mg/k g mg/k	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402	n.d.a.
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by	int LD50	7120	mg/k g mg/k	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal	n.d.a. Notes
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by	int LD50 LD50	7120 3200	mg/k g mg/k g	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity)	n.d.a.
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by	int LD50 LD50	7120 3200	mg/k g mg/k g mg/l/	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403	n.d.a. Notes
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation:	int LD50 LD50	7120 3200	mg/k g mg/k g mg/l/	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation	n.d.a. Notes
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route:	LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity)	n.d.a. Notes
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by	LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation	n.d.a. Notes
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by	LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403	n.d.a. Notes Vapours Aerosol
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation:	LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 404	n.d.a. Notes Vapours Aerosol
Aspiration hazard: Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation: Skin	LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity)	n.d.a. Notes



B) Page 4 of 8 Safety data sheet accord Revision date / version: Replacing version dated	14.11.2022	/ 0001		06, Annex II			Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAE L	3500	mg/k g/d	Rat		(90d)
Valid from: 14.11.2022 PDF print date: 09.11.20 swissporBoard SB 911 H	023						Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAE C	10	mg/m 3	Rat		(90d)
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosio n)	Not irritant	Symptoms:						mucous membra irritation coughin
Respiratory or skin sensitisation: Germ cell mutagenicity:				Guinea pig	OECD 406 (Skin Sensitisation) OECD 476 (In Vitro	Skin Sens. 1B Negative Chinese							respirate distress drying o the skin
					Mammalian Cell Gene Mutation Test)	hamster	Diisononyl phthalate Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes
Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian	Negative	Acute toxicity, by oral	LD50	>10000	mg/k	m Rat	OECD 401	
					Èrythrocyte Micronucleus Test)		route: Acute toxicity, by	LD50	>3160	g mg/k	Rabbit	(Acute Oral Toxicity)	
Germ cell mutagenicity:				Rat	OECD 489 (In Vivo Mammalian Alkaline Comet	Negative	dermal route: Acute toxicity, by inhalation:	LC50	>4,4	g mg/l/ 4h	Rat	Limit-Test	Aeroso
Germ cell				Salmonel	Assay) OECD 471 (Bacterial	Negative	Skin corrosion/irritation:			411	Rabbit	OECD 404 (Acute Dermal	Not irrit
mutagenicity:				la typhimuri um	Reverse Mutation Test)		Serious eye				Rabbit	Irritation/Corrosio n) OECD 405	Not irrit
Reproductive toxicity:	NOAE L	1000	mg/k g	Rat	OECD 422 (Combined Repeated Dose	Negative	damage/irritation:					(Acute Eye Irritation/Corrosio n)	
					Tox. Study with the Reproduction/De velopm. Tox.		Respiratory or skin sensitisation:				Guinea pig	Regulation (EC) 440/2008 B.6 (SKIN SENSITISATION	No (ski contact
Reproductive toxicity (Developmental	NOAE L	>= 75	mg/k g	Rabbit	Screening Test) OECD 414 (Prenatal	Negative	Germ cell mutagenicity:) (Ames-Test)	Negativ
toxicity): Specific target organ toxicity - repeated	NOAE	62,5	mg/k g	Rat	Developmental Toxicity Study) OECD 408 (Repeated Dose	Target organ(s):	Symptoms:						diarrhoe nausea and vomiting
exposure (STOT-RE), oral:			9		90-Day Oral Toxicity Study in	bladder	Calcium carbonate						
Specific target organ	LOAE	0,58	mg/l	Rat	Rodents) OECD 413 (Subchronic	Vapours	Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
toxicity - repeated exposure (STOT-RE), inhalat.:					Inhalation Toxicity - 90-Day Study)		Acute toxicity, by oral route:	LD50	>2000	mg/k g	Rat	OECD 420 (Acute Oral toxicity - Fixe Dose Procedure)	
Symptoms:						drowsiness , dizziness, nausea,	Acute toxicity, by dermal route:	LD50	>2000	mg/k g	Rat	OECD 402 (Acute Dermal Toxicity)	
						abdominal pain, breathing	Acute toxicity, by inhalation:	LC50	>3	mg/l/ 4h	Rat	OECD 403 (Acute Inhalation Toxicity)	
						difficulties, visual disturbance	Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio	Not irrit
Titanium dioxide (in po						s						n)	
	owder form	containing 1	1 % or mor	e of particles	with aerodynamic di	ameter <= 10	Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Not irrit
μm) Toxicity / effect	Endpo	Value	I % or mor	e of particles Organis m	Test method	ameter <= 10 Notes					Rabbit	OECD 405	
μm) .	Endpo	-		Organis	Test method OECD 425 (Acute Oral Toxicity - Up- and-Down		damage/irritation: Respiratory or skin sensitisation: Germ cell					OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471	No (ski contact
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ialuminium cobalt tetraoxide initiation ialuminium cobalt tetraoxide Endpo Value Unit Organia Test method Notes ialuminium cobalt tetraoxide Endpo Value Unit Organia Test method Notes oute toxicity, by oral LDS >5000 g. Rabbit Not initiant 12.3, Inscise oute toxicity, by oral Endpo Value Initiant Notes Test method Note initiant oxicity offect Endpo Value Initiant Notes Second Test method Note initiant oute toxicity, by oral ATE 300 mg/k Human Descond Descond Test method Note initiant Test method Notes Test method Note initiant Test method Test method Test method Te							mucous	
Islaminium cobali tetraoide Int Int Organia Test method Notes adjacit Endpo Value Unit Organia Test method Notes 12.2 Persistence 12.2 Persistence 12.2 Persistence Organia 12.2 Persistence Organia 12.2 Persistence Organia 12.4 Molis 12.4 Not irritant 12.4 Molis Boscinuth 12.4 Not irritant 12.4 Molis Boscinuth 12.4 Molis 12.								12.1. Toxicit
m m cute toxicity, by oral LDS0 >5000 g/k Rat regregatability toxic regregatability Rabbit Not irritant Bioaccurrul torsion erg int Rabbit Not irritant toxic for erg int mg Rabbit Not toxic for erg int mg Experience so toxic for erg int mg/k Rat Rabbit Rabbit cute toxicity, by oral LD50 17100 mg/k Rat Not cute toxicity, by oral LC50 85 mg/l Rabbit Rabbit Rabbit cute toxicity, by anal cute LC50 85 mg/l Rat Rabbit Not irritant targe fination: Int Rabbit Not irritant Rabbit Not irritant targe fination: Int Rabbit Not irritant Reverse targe fination: Int Rabbit Not irritant Reverse tarritation: Int								
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kin moresion/infration: erros	cute toxicity, by oral	LD50	>5000		Rat			
errous eye amage/infrator: Rabbit Not initiant amage/infrator: tethanol Trimethozy oxicity / effect Endpo uae: ATE 300 mg/k uae: ATE 300 mg/k uae: LD50 17100 mg/k g Rabbit Somoon cute toxicity, by oral vae: LD50 17100 g Rabbit Control on van the second	škin			9	Rabbit		Not irritant	12.3.
Image: construction of the second s	Serious eye			-	Rabbit		Not irritant	potential:
Tendpo Value Tots method Notes oxicity / effect Endpo Value Unit m Test method Notes oute toxicity, by oral ATE 300 mg/k Human Experience s on persons. oute toxicity, by LD50 17100 mg/k Rabbit Does not 12.6. Endoc oute toxicity, by LD50 17100 mg/k Rabbit Does not 12.6. Endoc oute toxicity, by LD50 85 mg/l Rat Not relevant oute toxicity, by LC50 85 mgl/l Rat relevant relevant ords outer Rabbit OECD 406 (Skin Not initiant not all initiant initiant relevant relevant rokin and segend Guinea Guinea OECD 406 (Skin Notakin relevant arcinogenicity: Salannel OECD 407 (Mammalian Negative Toxicity / af term cell utagenicity: Mammali	amage/irritation:							
int org/k m org/k tuman Experience s on persons. assessment persons. cute toxicity, by oral puble: ATE 300 mg/k Human being Experience s on persons. Experience s on persons. Experience s on persons. I.2.6. Endoc disrupting persons. cute toxicity, by with EU classificatio n., Vapours information: LC50 17100 mg/k Rabbit Does not context or the context or the persons. Does not context or the persontext or the persons. Does not contaconthe pers	Nethanol oxicity / effect	Endpo	Value	Unit	Organie	Test method	Notes	12.5. Result
uute: g being s on persons. disrupting persons. cute toxicity, by ermal route: LD50 17100 mg/k g Rabbit Does not conform with EU classification n. Does not conform with EU classification n. 12.7. Other classification n. cute toxicity, by thalation: LC50 85 mg/l Rat Not relevant for classification n. Not relevant for classification n. Other n. kin not relevant for consolon/irritation: Rabbit Not relevant for classification n. Not relevant for classification n. Not relevant for classification n. Other information: kin g Rabbit Not relevant for classification n. Not for classification n. Other information: virtigenicity: g Rabbit Not for classification n. Not (skin relevant for classification n. No (skin relevant for classification n. No (skin relevant for mitigenicity: virtigenicity: g Mouse OECD 476 (ln Mammalia traphication roxicity/Carcinog encity Studies) Negative (Combined Chronic Toxicity/Carcinog encity Studies) 12.1. Toxicit daphnia: teproductive toxicity: NOAE 0,13 mg/l Rat OECD 453 (Combined Chronic Toxicity/Carcinog encity Studies) teproductive toxicity: NOAE 0,13 mg/l Rat OECD 453 (Combined Chronic Toxicity/Carcinog encity Stud	-	int			m	i cot metrioù		assessment
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ermal route: g control contro <ttd>contro<tttd>control</tttd></ttd>	cute toxicity, by	LD50	17100		Rabbit			
cude toxicity, by halation: LC50 85 mg/l/ 4h Rat Not relevant for relevant for relevant for classificatio n. Vapours relevant for classificatio n. Vapours information: kin orrosion/irritation: Rabbit Rabbit Not irritatinASS F-Test erious eve amage/irritation: Rabbit OECD 405 (Acute Eve IrritationCorrosio n) Not irritant information: espiratory or skin emensitisation: Salmonel Uppig OECD 471 (Bacterial typhinuri Reverse Not irritant irritation contact) ierm cell uutagenicity: Salmonel Uppig OECD 476 (in Vatation Test) Negative (Combined Chronic Toxicity/ Studies) ierm cell uutagenicity: Mouse OECD 476 (in Vitro Negative (Combined Chronic Toxicity/ Studies) ierem cell uutagenicity: NoAE 1,3 mg/l mg/l Mouse OECD 476 (in Vitro Negative (Combined Chronic Toxicity/Studies) ierem cell uutagenicity: NoAE 1,3 mg/l ierer cell uutagenicity: NoAE <	ermal route:	22000			Rubbit		conform	
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kin n. Vapours kin Rabbit orrosion/irritation: Rabbit erious eye initianBAS arrage/irritation: Rabbit despiratory or skin Guinea espiratory or skin Guinea erious eye Guinea arrage/irritation: Pig seristisation: pig erious eye Guinea espiratory or skin Guinea orestilization: pig ierm cell Salmonel uutagenicity: Ian uutagenicity: Ian ierm cell Mammali nutagenicity: Ian ierm cell Mouse OECD 474 Negative fish: Test) iarcinogenicity: Mouse ictorucitus Test) ictorucitus Toxicity for Toxicity and toxicity ictorucitus NOAE ictorucitus NOAE ictorucitus NOAE ictorucitus NOAE ictorucitus NOAE ictorucitus Ian ictorucitus Ian ictorucitus Ian ictorucitus Ian ictorucitus <t< td=""><td>halation:</td><td></td><td></td><td>4h</td><td></td><td></td><td></td><td></td></t<>	halation:			4h				
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ierious eye amage/irritation: image/irritation/Corrosio n) F-Test Not irritant (Acute Eye Irritation/Corrosio n) F-Test Not irritant (Acute Eye Irritation/Corrosio n) tespiratory or skin Guinea Guinea pig Sensitisation) No (skin other contact) ierm cell uutagenicity: Salamonel um GeCD 476 (in Marmalian Cell Gene Mutation Test) Negative (Bacterial typhimuri Reverse um Trimethoxy Toxicity / ff ierm cell uutagenicity: Mawmali uutagenicity: Mouse OECD 476 (in Negative (Bacterial Gene Mutation Test) Negative (Bacterial Gene Mutation Test) 12.1. Toxicit daphnia: iarcinogenicity: Mouse OECD 473 (Combined Chronic Toxicity/Carcinog enicity Study) Negative (Combined Chronic Toxicity/Carcinog enicity Study) 12.1. Toxicit daphnia: teproductive toxicity: NOAE L 1,3 mg/l Mouse OECD 473 (Combined Chronic Toxicity/Carcinog enicity Study) 12.1. Toxicit daphnia: teproductive toxicity: NOAE L 0,13 mg/l Rat OECD 473 (Combined Chronic Toxicity/Carcinog enicity Study) 12.1. Toxicit algae: 12.1. Toxicity 12.1. Toxicit algae: 12.1. Toxicit algae 12.1. Toxicit algae	Skin			-	Rabbit		Not	outor
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tespiratory or skin ensitisation: ierm cell utagenicity: ierm cell u	amage/imation.					Irritation/Corrosio		
ierm cell Salmonel OECD 471 Negative nutagenicity: Mammali Reverse Mutation Test) Trimethoxy ierm cell Mammali GECD 476 (n) Negative Trimethoxy intagenicity: Mammali GECD 476 (n) Negative Trimethoxy intagenicity: Mammali GECD 476 (n) Negative Trimethoxy intagenicity: Mouse OECD 474 (n) Negative Trimethoxy intagenicity: Mouse OECD 474 (n) Negative Trimethoxy iterr cell Mouse OECD 473 (n) Negative Trimethoxy iterr cell Mouse OECD 473 (n) Negative Trimethoxy iterr cell Mouse OECD 453 (Combined Trimethoxy Trimethoxy iterr cell L 1,3 mg/l Mouse OECD 453 (Combined	Respiratory or skin				Guinea	OECD 406 (Skin		
nutagenicity: Ia (Bacterial Toxicity/ef Serm cell Mammali OECD 476 (n) Negative nutagenicity: Mammalia OECD 476 (n) Negative Serm cell Mouse OECD 476 (n) Negative Derm cell Mouse OECD 474 Negative uutagenicity: Mouse OECD 474 Negative sarcinogenicity: Mouse OECD 474 Negative sarcinogenicity: Mouse OECD 473 Negative teproductive toxicity: NOAE 1,3 mg/l Mouse OECD 473 specific target organ NOAE 1,3 mg/l Mouse OECD 473 Negative ticity - repeated NOAE 0,13 mg/l Rat OECD 473 Italiagee: ticity - repeated L 0,13 mg/l Rat OECD 476 Italiagee: tity: Italiage Italiage Italiage Italiage Italiagee: Italiagee: teproductive toxicity: NOAE 0,13 mg/l Rat OECD 453 Italiagee: <tr< td=""><td>ensitisation: Germ cell</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Trimethoxy</td></tr<>	ensitisation: Germ cell							Trimethoxy
uitagenicity: uitagenicity: uitagenicity: Mammali an Mutation Test) OECD 476 (In Mammalia Cell Gene Mutation Negative Mammalian Erythrocyte Micronucleus 12.1. Toxicit fish: ierrn cell uutagenicity: Mouse OECD 474 (Mammalian Erythrocyte Micronucleus Negative Mammalian Erythrocyte Micronucleus 12.1. Toxicit daphnia: iarcinogenicity: Mouse OECD 473 (Combined Chronic enicity Studies) Negative Micronucleus 12.1. Toxicit daphnia: iarcinogenicity: Mouse Mouse OECD 473 (Combined Chronic Toxicity/Carcinog enicity Studies) Negative Micronucleus iarcinogenicity: NOAE L 1,3 mg/l Mouse OECD 453 (Combined Chronic Toxicity Studies) 12.1. Toxicit daphnia: iarcinogenicity: NOAE L 0,13 mg/l Rat OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies) 12.1. Toxicit algae:	nutagenicity:				la	(Bacterial		
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Berm cell Mouse OECD 474 (Mammalian Erythrocyte Micronucleus Negative Mouse 12.1. Toxicit daphnia: Sarcinogenicity: Mouse OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies) Negative Mouse 12.1. Toxicit daphnia: teproductive toxicity: NOAE L 1,3 mg/l Mouse OECD 453 (Combined Chronic Toxicity/Studies) 12.1. Toxicit daphnia: teproductive toxicity: NOAE L 1,3 mg/l mg/l Mouse OECD 416 (Two- generation Reproduction Toxicity/Studies) 12.1. Toxicit daphnia: teproductive toxicity: NOAE L 0,13 mg/l mg/l Rat OECD 453 (Combined Chronic Toxicity/Studies) 12.1. Toxicit daphnia: tipecific target organ xposure (STOT-RE): NOAE L 0,13 mg/l mg/l Rat OECD 453 (Combined Chronic Toxicity Studies) 12.1. Toxicit daphnia: 12.1. Toxicit daphnia: 12.1. Toxicit daphnia: 12.1. Toxicit daphnia: 12.1. Toxicit daphnia: 12.1. Toxicit daphnia:	Serm cell nutagenicity:			1		Vitro	negative	tish:
ierm cell uutagenicity: aarcinogenicity: leproductive toxicity: Ieproductive toxicity: Ieproduction Ie				1				12.1. Toxicit
nutagenicity: (Mammalian Erythrocyte Micronucleus Test) Image: Status Stat	Serm cell	-			Mouse	Test)	Negativo	
Micronucleus Test) Merconucleus Test) Sarcinogenicity: Mouse OECD 453 (Combined Chronic Toxicity/Studies) Negative (Combined Chronic Toxicity/Studies) teproductive toxicity: NOAE L 1,3 mg/l mg/l Mouse OECD 416 (Two- generation Reproduction 12.1. Toxicit daphnia: ipecific target organ pxicity - repeated xposure (STOT-RE): NOAE L 0,13 mg/l mg/l Rat OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies) 12.1. Toxicit algae: 12.1. Toxicit Sudity - repeated xposure (STOT-RE): NOAE L 0,13 mg/l mg/l Rat OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies) 12.1. Toxicit algae: 12.1. Toxicit Sudity - repeated xposure (STOT-RE): 12.1. Toxicit Carcinog 12.1. Toxicit algae: 12.1. Toxicit algae:	nutagenicity:			1	wouse	(Mammalian	nogauve	
arcinogenicity: arcinogenicity: teproductive toxicity: teproductive toxicity: teproductive toxicity: teproductive toxicity: L NOAE L N NOAE L N NOAE L N N N N N N N N N N N N N				1		Micronucleus		
teproductive toxicity: NOAE L 1,3 mg/l Mouse OECD 416 (Tronic Toxicity/Carcinog encity Studies) daphnia: teproductive toxicity: L 1,3 mg/l Mouse OECD 416 (Tronic Toxicity Study) dapentation Toxicity Study) dapentation Toxicity Study dapentation Toxicity Study dapentation to solve the solve the solve toxicity of the solve toxici	arcinogenicity:			+	Mouse	Test)	Negative	
teproductive toxicity: NOAE L 1,3 mg/l Mouse OECD 416 (Two- generation Reproduction Toxicity/Carcinog L 0,13 mg/l Rat OECD 453 (Combined Chronic Toxicity Studies) 12.1. Toxicit algae: 12.2. Persistence degradabilit algae: 12.3. Bioaccumula potential: 12.3. B				1		(Combined		12.4 Taulo
teproductive toxicity: L NOAE L 1,3 mg/l Mouse QECD 416 (Two- generation Reproduction Toxicity Study) Decrific target organ xicity - repeated xposure (STOT-RE): L 0,13 mg/l Rat OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies) 12.1. Toxicit algae: 12.1. Toxicit algae: 12.2. Persistence degradability 12.3. Bioaccumula potential: QSAR				1		Toxicity/Carcinog		
L C C C C C C C C C C C C C C C C C C C	Reproductive toxicity:	NOAE	1,3	mg/l	Mouse			
pecific target organ pecific target organ xposure (STOT-RE):				-		generation		12.1 Tovicit
ixicity - repeated L (Combined Chronic Chronic Toxicity/Carcinog enicity Studies)	Ponific torget care	NOAE	0.42		Det	Toxicity Study)		
Toxicity/Carcinog enicity Studies) 12.1. Toxicit algae: 12.2. Persistence degradability 12.3. Bioaccumula potential:	oxicity - repeated		0,13	mg/i	rcat	(Combined		
	xposure (STOT-RE):			1		Toxicity/Carcinog		12.1. Toxicit
Persistence degradability 12.3. Bioaccumula potential: QSAR						enicity Studies)		
12.3. Bioaccumule potential: QSAR								
Bioaccumula potential: QSAR								
Bioaccumula potential: QSAR								1
Bioaccumula potential: QSAR								
potential: QSAR								
QSAR								
								Bioaccumula

Symptoms: 11.2. Informat swissporBoard Si Toxicity / effect Endocrine disruptin properties:	3 911 Hybri En int	d Kleb- un		toff Unit	Organis m	Test method	abdominal pain, vomiting, headaches, gastrointes tinal disturbance s, drowsiness visual disturbance s, watering eyes, nausea, mental confusion, intoxication , dizziness Notes Does not apply to mixtures.
Other information:							No other relevant information available on adverse effects on health.
	SEC	CTION	12: Ec	cologi	cal inform	ation	
Possibly more infor swissporBoard SI					tion 2.1 (classific	ation).	
Toxicity / effect	Endpoin	Tim	Valu	Unit	Organism	Test	Notes
12.1. Toxicity to	t	e	e			method	n.d.a.
fish: 12.1. Toxicity to		_					n.d.a.
daphnia:							
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and							n.d.a.
degradability:							
12.3. Bioaccumulative							n.d.a.
potential: 12.4. Mobility in		-					n.d.a.
soil: 12.5. Results of		_					n.d.a.
PBT and vPvB							n.u.a.
assessment 12.6. Endocrine		-					Does not
disrupting properties:							apply to mixtures.
12.7. Other adverse effects:							No information available on other adverse effects on the environmen t.
Other information:							DOC- elimination degree(co mplexing organic substance) >= 80%/28d: No
Trimethoxyvinylsi		Time	Velu	11	Ormaniam	Test	Natas
Toxicity / effect	Endpoin t	е	Valu e	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	191	mg/l	Oncorhynch us mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC50	48h	168, 7	mg/l	Daphnia magna	Regulation (EC) 440/2008 C.2 (DAPHNIA SP. ACUTE IMMOBILIS ATION TEST)	
12.1. Toxicity to daphnia:	NOEC/N OEL	21d	28	mg/l	Daphnia	OECD 211	
daphnia: 12.1. Toxicity to algae:	EC50	72h	>10 0	mg/l	magna Selenastrum capricornut um	(Daphnia magna Reproductio n Test) OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/N OEL	72h	25	mg/l	Selenastrum capricornut		
12.2.	BOD	28d	51	%	um	OECD 301	Not readily
Persistence and degradability:			51	70		OECD 301 F (Ready Biodegradab ility - Manometric Respirometr y Test)	biodegrada ble
12.3. Bioaccumulative	Log Kow		1,1				Not to be expected
potential:							20 °C
QSAR 12.4 Mobility in					-		Slight

Slight

swisspor BOARD

B Page 6 of 8 Safety data sheet a Revision date / ver Replacing version Valid from: 14.11.2 PDF print date: 09. swissporBoard SB	sion: 14.11.20 dated / version 2022 .11.2023	22 / 000 n: 14.11.2	1 2022 / 00		5, Annex II			Toxicity to bacteria:	EC50	30m in	>83, 9	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and	
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB	Other organisms:	NOEC/N	56d	>98	mg/k	Eisenia	Ammonium Oxidation))	
Toxicity to	EC10	5h	100	mg/l	Pseudomon		substance	Other organisms:	OEL LC50	14d	2,4 >73	g mg/k	foetida Eisenia	OECD 207	
bacteria: Toxicity to bacteria:	EC50	3h	0 >25 00	mg/l	as putida activated sludge	OECD 209 (Activated					72	g	foetida	(Earthworm, Acute Toxicity	
						Sludge, Respiration								Tests)	
						Inhibition Test		Calcium carbonat Toxicity / effect	e Endpoin	Tim	Valu	Unit	Organism	Test	Notes
						(Carbon and Ammonium		12.1. Toxicity to fish:	t LC50	e 96h	e		Oncorhynch us mykiss	method OECD 203 (Fish, Acute	No observati
Titanium dioxide	(in powder fo	rm conta	aining 1 %	6 or more	of particles with	Oxidation)) aerodynamic di	ameter <= 10							Toxicity Test)	with saturated solution o test
Toxicity / effect	Endpoin	Tim e	Valu e	Unit	Organism	Test method	Notes	12.1. Toxicity to	EC50	48h			Daphnia	OECD 202	material.
12.1. Toxicity to fish:	LC50	96h	>10 0	mg/l	Oncorhynch us mykiss	OECD 203 (Fish, Acute Toxicity Test)		daphnia:	ECSU	4011			magna	(Daphnia sp. Acute Immobilisati on Test)	observati with saturated solution o
12.1. Toxicity to daphnia:	LC50	48h	>10 0	mg/l	Daphnia magna	OECD 202 (Daphnia									test material.
12.1. Toxicity to	EC50	72h	16	mg/l	Pseudokirch	sp. Acute Immobilisati on Test) U.S. EPA-		12.1. Toxicity to algae:	EC50	72h	>14	mg/l	Desmodesm us subspicatus	OECD 201 (Alga, Growth Inhibition	
algae: 12.2. Persistence and degradability:					neriella subcapitata	600/9-78- 018	Not relevant for	12.1. Toxicity to algae:	NOEC/N OEL	72h	14	mg/l	Desmodesm us subspicatus	Test) OECD 201 (Alga, Growth Inhibition	
degradability.							inorganic	12.2.						Test)	Not
12.3. Bioaccumulative	BCF	42d	9,6				substances Not to be expected	Persistence and degradability:							relevant for inorganic
potential: 12.3.	BCF	14d	19-				Oncorhync								substanc
Bioaccumulative potential: 12.4. Mobility in			352				hus mykiss Negative	12.3. Bioaccumulative potential:							Not to be expected
soil: 12.5. Results of							No PBT	12.4. Mobility in soil:							n.a.
PBT and vPvB assessment Toxicity to			>50	mg/l	Escherichia		substance, No vPvB substance	12.5. Results of PBT and vPvB assessment							No PBT substanc No vPvB substanc
bacteria: Toxicity to bacteria:	LCO	24h	00 >10 000	mg/l	coli Pseudomon as fluorescens			Toxicity to bacteria:	EC50	3h	>10 00	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration	
Toxicity to annelids: Water solubility:	NOEC/N OEL		>10 00	mg/k g	Eisenia foetida		Insoluble20 °C							Inhibition Test (Carbon and Ammonium	
Diisononyl phthal Toxicity / effect	late Endpoin	Tim	Valu	Unit	Organism	Test	Notes	Toxicity to	NOEC/N	3h	100	mg/l	activated	Oxidation)) OECD 209	
12.1. Toxicity to	t LC50	e 96h	e >10	mg/l	Brachydanio	method 92/69/EC		bacteria:	OEL		0	5	sludge	(Activated Sludge,	
fish: 12.1. Toxicity to	EC50	48h	2		rerio	84/449/EEC								Respiration	
daphnia:	NOEC/N		>=7	mg/l	magna	C.2 OECD 202								Test (Carbon	
12.1. Toxicity to daphnia:	OEL	21d	>=1 00	mg/l	Daphnia magna	(Daphnia								and Ammonium	
						sp. Acute Immobilisati		Other organisms:	EC50	21d	>10	ma/k		Oxidation)) OECD 208	Glycine
12.1. Toxicity to algae:	NOEC/N OEL	72h	88	mg/l	Scenedesm us	on Test)		Other organisms.	EC30	210	>10 00	mg/k g dw		(Terrestrial Plants, Growth	max
12.1. Toxicity to algae:	EC50	72h	>88	mg/l	subspicatus Scenedesm us	84/449/EEC C.3		Other organisms:	EC50	21d	>10	mg/k		Test) OECD 208	Lycopers
12.2. Persistence and		28d	81	%	subspicatus activated sludge	Regulation (EC)	Readily biodegrada	organionio.			00	g dw		(Terrestrial Plants, Growth	on esculentu
degradability:						440/2008 C.4-C (DETERMIN	ble	Other organisms:	EC50	21d	>10 00	mg/k g dw		Test) OECD 208 (Terrestrial	Avena sativa
						ATION OF 'READY' BIODEGRA						g un		Plants, Growth Test)	Suiva
						DABILITY - CO2 EVOLUTIO N TEST)		Other organisms:	NOEC/N OEL	21d	100 0	mg/k g dw		OECD 208 (Terrestrial Plants, Growth	Glycine max
12.3. Bioaccumulative	Log Kow		8,8- 9,7			OECD 117 (Partition	Analogous conclusion	Other organisms:	NOEC/N	21d	100	mg/k		Test) OECD 208	Lycopers
potential:						Coefficient (n- octanol/wate r) - HPLC			OEL		0	g dw		(Terrestrial Plants, Growth Test)	on esculenti
12.3.	BCF	14d	<3			method)	Analogous	Other organisms:	NOEC/N OEL	21d	100 0	mg/k g dw		OECD 208 (Terrestrial	Avena sativa
Bioaccumulative potential:			_				conclusion							Plants, Growth	
12.4. Mobility in soil: 12.4. Mobility in soil:	Koc H (Henry)		>50 00 0,00 000	atm* m3/m				Other organisms:	EC50	14d	>10 00	mg/k g dw	Eisenia foetida	Test) OECD 207 (Earthworm, Acute	
			149	ol				Other organisms:	NOEC/N	14d	100	mg/k	Eisenia	Toxicity Tests) OECD 207	
									OEL		0	g dw	foetida	(Earthworm, Acute Toxicity Tests)	

Safety data sheet a Revision date / ver				1907/2006	6, Annex II		
Replacing version Valid from: 14.11.2		14.11.2	022 / 000	01			
PDF print date: 09.	11.2023	مام سمط	Sebteteff				
swissporBoard SB	911 Hybrid Kl	eb- und L					
Other organisms:	EC50	28d	>10 00	mg/k g dw		OECD 216 (Soil	
			00	guw		Microorganis	
						ms - Nitrogen	
						Transformati	
Other organisms:	NOEC/N	28d	100	mg/k		on Test) OECD 216	
5	OEL		0	g dw		(Soil	
						Microorganis ms -	
						Nitrogen	
						Transformati on Test)	
Water solubility:			0,01 66	g/l		OECD 105 (Water	20°C
			00			Solubility)	
Iron(III)oxide							
Toxicity / effect	Endpoin	Tim	Valu	Unit	Organism	Test	Notes
12.1. Toxicity to	t LC50	e 96h	e >10	mg/l	Leuciscus	method	Analogou
fish: 12.1. Toxicity to	EC50	48h	00 >10	mg/l	idus Daphnia	OECD 202	conclusio
daphnia:	2030	4011	0	ilig/i	magna	(Daphnia	
						sp. Acute Immobilisati	
						on Test)	
12.2. Persistence and							Not relevant
degradability:							for
							inorganio substano
12.3.							Not to be
Bioaccumulative							expected
potential: 12.5. Results of							No PBT
PBT and vPvB							substanc
assessment							No vPvB substance
Toxicity to	EC50	3h	>10	mg/l	activated	ISO 8192	Substant
bacteria:			000		sludge		
Dialuminium coba Toxicity / effect	alt tetraoxide Endpoin	Tim	Valu	Unit	Organism	Test	Notes
. exietly / encou							
10.1 T	t	е	e			method	
12.1. Toxicity to fish:			e 100 0	mg/l	Leuciscus idus	method	
fish: 12.1. Toxicity to	t		100 0 >10	mg/l mg/l	idus Daphnia	method	
fish: 12.1. Toxicity to daphnia:	t LC0	е	100 0	-	idus	method	
fish: 12.1. Toxicity to	t LC0	е	100 0 >10	-	idus Daphnia	Test	Notes
fish: 12.1. Toxicity to daphnia: Methanol Toxicity / effect	t LC0 EC0 Endpoin t	e 48h Tim e	100 0 >10 000 Valu e	mg/l	idus Daphnia magna Organism		
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fish: 12.1. Toxicity to daphnia: Methanol Toxicity / effect 12.1. Toxicity to fish:	t LC0 EC0 Endpoin t LC50	e 48h Tim e 96h	100 0 >10 000 Valu e 154 00	mg/l Unit mg/l	idus Daphnia magna Organism Lepomis macrochirus	Test method OECD 202 (Daphnia sp. Acute	EPA-660
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.: The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU) 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09 Recommendation:

Sewage disposal shall be discouraged. Pay attention to local and national official regulations. E.g. suitable incineration plant. E.g. dispose at suitable refuse site.

For contaminated packing material

Pay attention to local and national official regulations



Empty container completely

Uncontaminated packaging can be recycled. Dispose of packaging that cannot be cleaned in the same manner as the substance. 15 01 10 packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

General statements

Transport by road/by rail (ADR/RID)	
14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	
Not applicable	
14.3. Transport hazard class(es):	Not applicable
14.4. Packing group:	Not applicable
14.5. Environmental hazards:	Not applicable
Tunnel restriction code:	Not applicable
Classification code:	Not applicable
LQ:	Not applicable
Transport category:	Not applicable
Transport by sea (IMDG-code)	
14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	
Not applicable	
14.3. Transport hazard class(es):	Not applicable
14.4. Packing group:	Not applicable
14.5. Environmental hazards:	Not applicable
Marine Pollutant:	Not applicable
EmS:	Not applicable
Transport by air (IATA)	
14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	
Not applicable	
14.3. Transport hazard class(es):	Not applicable
14.4. Packing group:	Not applicable
14.5. Environmental hazards:	Not applicable
14.6. Special precautions for user	
Unless specified otherwise, general measures for safe	e transport must be followed.
14.7 Maritimo transport in bulk accord	ing to IMO instruments

14.7. Maritime transport in bulk according to IMO instruments Non-dangerous material according to Transport Regulati

SECTION 15: Regulatory information

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

Observe restrictions

Ν F

> Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!

General hygiene measures for the handling of chemicals are applicable. Regulation (EU) No 649/2012 'concerning the export and import of hazardous chemicals' must be adhered to, as the product contains a substance that falls within the scope of this Regulation.

0%

Directive 2010/75/EU (VOC):

National requirements/regulations on safety and health protection must be applied when using work equipment

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP): Not applicable

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The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents. H226 Flammable liquid and vapour.

H351 Suspected of causing cancer by inhalation. H317 May cause an allergic skin reaction. H332 Harmful if inhaled.

Flam. Liq. — Flammable liquid Acute Tox. — Acute toxicity - inhalation Skin Sens. — Skin sensitization Carc. — Carcinogenicity

Key literature references and sources

for data: Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended. Guidelines for the preparation of safety data sheets as amended (ECHA). Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA). Safety data sheets for the constituent substances. ECHA Homepage - Information about chemicals. GESTIS Substance Database (Germany). German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany). EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended. National Lists of Occupational Exposure Limits for each country as amended. Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road) AOX Adsorbable organic halogen compounds approx. approximately

Art., Art. no.Article number ASTM ASTM Internati ASTM International (American Society for Testing and Materials)

ATE Acute 1 BAM Bundes Testing, Germany) Acute Toxicity Estimate Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and

Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health BAuA and Safety, Germany)

BCF

Bioconcentration factor The International Bromine Council BSEF

body weight bw

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		sheet according to Regulation (EC) No 1907/2006, Annex II	
		te / version: 14.11.2022 / 0001	
		ersion dated / version: 14.11.2022 / 0001	
		14.11.2022	
		ate: 09.11.2023	
		ard SB 911 Hybrid Kleb- und Dichtstoff	
CAS	3	Chemical Abstracts Service	
CLF	•	Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification,	
labe	lling and	d packaging of substances and mixtures)	
CMI		carcinogenic, mutagenic, reproductive toxic	
DMI		Derived Minimum Effect Level	
DNE		Derived No Effect Level	
DO	2	Dissolved organic carbon	
dw		dry weight	
e.g.		for example (abbreviation of Latin 'exempli gratia'), for instance	
		K, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass	
(aig EC	ae, plan	European Community	
ECH	۸L	European Chemicals Agency	
		= 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect	
EEC		European Economic Community	
	ECS	European Inventory of Existing Commercial Chemical Substances	
	NCS	European List of Notified Chemical Substances	
EN		European Norms	
EPA	1	United States Environmental Protection Agency (United States of America)	
ErC	x, EµCx	, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate	
(alg	ae, plan	ts)	
etc.		et cetera	
EU		European Union	
EVA		Ethylene-vinyl alcohol copolymer	
Fax		Fax number	
gen		general	
GHS		Globally Harmonized System of Classification and Labelling of Chemicals	
GW Koc		Global warming potential	
Koc		Adsorption coefficient of organic carbon in the soil octanol-water partition coefficient	
IAR		International Agency for Research on Cancer	
IAT		International Air Transport Association	
		International Bulk Chemical (Code)	
		International Maritime Code for Dangerous Goods	
incl.		including, inclusive	
IUC		International Uniform Chemical Information Database	
IUP.	AC	International Union for Pure Applied Chemistry	
LC5	0	Lethal Concentration to 50 % of a test population	
LD5	0	Lethal Dose to 50% of a test population (Median Lethal Dose)	
	Koc	Logarithm of adsorption coefficient of organic carbon in the soil	
Log	Kow, Lo	og Pow Logarithm of octanol-water partition coefficient	
LQ		Limited Quantities	
	RPOL	International Convention for the Prevention of Marine Pollution from Ships	
n.a.		not applicable	
n.av	<i>.</i>	not available	

swisspor BOAR

	Ellect Concentration/Level of X % on inhibition of the growth rate
(algae, plan	
etc.	et cetera
EU	European Union
EVAL	Ethylene-vinyl alcohol copolymer
Fax.	Fax number
gen.	general
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
GWP	Global warming potential
Koc	Adsorption coefficient of organic carbon in the soil
Kow	octanol-water partition coefficient
IARC	International Agency for Research on Cancer
ATA	International Air Transport Association
	International Bulk Chemical (Code)
MDG-code	International Maritime Code for Dangerous Goods
incl.	including, inclusive
UCLID	International Uniform Chemical Information Database
UPAC	International Union for Pure Applied Chemistry
_C50	Lethal Concentration to 50 % of a test population
_D50	Lethal Dose to 50% of a test population (Median Lethal Dose)
Log Koc	Logarithm of adsorption coefficient of organic carbon in the soil
og Kow, Lo	pg Pow Logarithm of octanol-water partition coefficient
_Q	Limited Quantities
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.a.	not applicable
n.av.	not available
n.c.	not checked
n.d.a.	no data available
NIOSH	National Institute for Occupational Safety and Health (USA)
NLP	No-longer-Polymer
NOEC, NOE	
DECD	Organisation for Economic Co-operation and Development
org.	organic
OSHA	Occupational Safety and Health Administration (USA)
PBT	persistent, bioaccumulative and toxic
PE	Polyethylene
	Predicted No Effect Concentration
ppm	parts per million
PVC	Polyvinylchloride
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No
REACH-IT I	concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
	numerical identifier. List Numbers do not have any legal significance, rather they are purely
	entifiers for processing a submission via REACH-IT.
RID	Règlement concernant le transport International ferroviaire de marchandises Dangereuses (=
	concerning the International Carriage of Dangerous Goods by Rail)
SVHC	Substances of Very High Concern
Tel.	Telephone
TOC	Total organic carbon
	United Nations Recommendations on the Transport of Dangerous Goods
VOC	Volatile organic compounds

Volatile organic compounds very persistent and very bioaccumulative wet weight VOC vPvB wwt

The statements made here should describe the product with regard to the necessary safety precautions - they

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