

CB) Page 1 of 8 Safety data sheet according to Regulation (EC) No 1907/200 Revision date / version: 01.11.2021 / 0005 Periodic version surged dated / version: 17.02.3021 / 0005	06, Annex II	Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Sens. 1B, H317
Replacing version dated / version: 17.03.2021 / 0004 Valid from: 01.11.2021 PDF print date: 01.11.2021		3-(trimethoxysilyl)propylamine Registration number (REACH)	01-2119510159-45-XXXX
COSMO HD-201.201 COSMO HD-201.301		Index EINECS, ELINCS, NLP, REACH-IT List-No.	 237-511-5
Safety data	sheet	CAS content %	13822-56-5 1-<3 Skin Irrit. 2, H315
according to Regulation (EC)	-	Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Eye Dam. 1, H318
SECTION 1: Identification of the s company/und		Bis(1,2,2,6,6-pentamethyl-4-piperidyl) [[3,5-bis(1,1- dimethylethyl)-4-hydroxyphenyl]methyl]butylmalonate Registration number (REACH)	01-2119978231-37-XXXX
1.1 Product identifier		Index EINECS, ELINCS, NLP, REACH-IT List-No.	 264-513-3
COSMO HD-201.201		CAS content % Classification according to Regulation (EC) 1272/2008	63843-89-0 0,025-<0,1 Acute Tox. 4, H302
COSMO HD-201.301		(CLP), M-factors	STOT RE 1, H372 (lymph nodes, liver, spleen) Aquatic Chronic 1, H410 (M=10)
1.2 Relevant identified uses of the substance	e or mixture and uses advised	Impurities, test data and additional information may have been the product.	
against Relevant identified uses of the substance o	r mixture:	For the text of the H-phrases and classification codes (GHS/ The substances named in this section are given with their ac For substances that are listed in appendix VI, table 3.1 of the	tual, appropriate classification!
Adhesive Uses advised against:		this means that all notes that may be given here for the name	ed classification have been taken into account.
No information available at present. 1.3 Details of the supplier of the safety data	sheet	SECTION 4: First a	iid measures
Weiss Chemie + Technik GmbH & Co. KG Hansastrasse 2	Sheet	4.1 Description of first aid measures	
35708 Haiger Tel: +49 (0) 2773 / 815-0		First-aiders should ensure they are protected! Never pour anything into the mouth of an unconscious perso	n!
msds@weiss-chemie.de www.weiss-chemie.de		Inhalation Remove person from danger area.	
		Supply person with fresh air and consult doctor according to Skin contact	
Qualified person's e-mail address: info@chemical-check.de, NOT use for requesting Safety Data Sheets.	k.schnurbusch@chemical-check.de Please DO	Remove polluted, soaked clothing immediately, wash thorou irritation of the skin (flare), consult a doctor. Unsuitable cleaning product: Solvent	gnly with plenty of water and soap, in case of
1.4 Emergency telephone number Emergency information services / official ac	lvisory body:	Thinners Eye contact	
Telephone number of the company in case		Remove contact lenses. Wash thoroughly for several minutes using copious water. Se	eek medical help if necessary.
+49 (0) 700 / 24 112 112 (WIC) +1 872 5888271 (WIC)	-	Protect uninjured eye. Ingestion	
SECTION 2: Hazard	s identification	Rinse the mouth thoroughly with water. Do not induce vomiting. Consult doctor immediately. 4.2 Most important symptoms and effects, b	oth south and delayed
SECTION 2. Hazarda	sidentification	If applicable delayed symptoms and effects can be found in a In certain cases, the symptoms of poisoning may only appea	section 11 and the absorption route in section 4.1.
2.1 Classification of the substance or mixtu Classification according to Regulation (EC)		eyes, reddened watering eyes	
Hazard class Hazard category Hazar	d statement	Conjunctivitis 4.3 Indication of any immediate medical atte	ntion and special treatment needed
	Causes serious eye irritation. Harmful to aquatic life with long lasting	Symptomatic treatment. SECTION 5: Firefigh	ting measures
2.2 Label elements			
Labeling according to Regulation (EC) 1272	/2008 (CLP)	5.1 Extinguishing media Suitable extinguishing media	
^		Extinction powder Water jet spray	
		Large fire: Water jet spray / alcohol resistant foam	
		Unsuitable extinguishing media	
		5.2 Special hazards arising from the substar In case of fire the following can develop:	nce or mixture
Warning		Oxides of carbon Oxides of nitrogen	
-		Toxic gases 5.3 Advice for firefighters	
H319-Causes serious eye irritation. H412-Harmful to aquati		For personal protective equipment see Section 8. In case of fire and/or explosion do not breathe fumes.	
P273-Avoid release to the environment. P280-Wear eye pro P305+P351+P338-IF IN EYES: Rinse cautiously with water lenses, if present and easy to do. Continue rinsing. P337+P	for several minutes. Remove contact	Protective respirator with independent air supply. According to size of fire Full protection, if necessary.	
medical advice / attention.		Dispose of contaminated extinction water according to officia	al regulations.
EUH208-Contains Trimethoxyvinylsilane. May produce an a	ilergic reaction.	SECTION 6: Accidental	release measures
2.3 Other hazards		6.1 Personal precautions, protective equipm 6.1.1 For non-emergency personnel	nent and emergency procedures
The mixture does not contain any vPvB substance (vPvB = v included under XIII of the regulation (EC) 1907/2006 (< 0,1 0	%).	In case of spillage or accidental release, wear personal prote prevent contamination.	ective equipment as specified in section 8 to
The mixture does not contain any PBT substance (PBT = pe under XIII of the regulation (EC) 1907/2006 (< 0,1 %). The mixture does not contain any substance with endocrine		Ensure sufficient ventilation, remove sources of ignition. Avoid dust formation with solid or powder products.	
The mixture uses not contain any substance with endocrine	מוסימאיוויט איסאביוובט (< ט, ד או).	Leave the danger zone if possible, use existing emergency p Ensure sufficient supply of air.	alans if necessary.
SECTION 3: Composition/infe	ormation on ingredients	Avoid contact with eyes or skin. If applicable, caution - risk of slipping.	
•		6.1.2 For emergency responders See section 8 for suitable protective equipment and material	specifications.
3.1 Substances n.a.		6.2 Environmental precautions If leakage occurs, dam up.	
3.2 Mixtures Trimethoxyvinylsilane		Resolve leaks if this possible without risk. Prevent surface and ground-water infiltration, as well as grou	ind penetration.
Registration number (REACH)	01-2119513215-52-XXXX	Prevent from entering drainage system.	
Index	014-049-00-0	If accidental entry into drainage system occurs, inform respo	
		If accidental entry into drainage system occurs, inform respo 6.3 Methods and material for containment an Soak up with absorbent material (e.g. universal binding agen dispose of according to Section 13.	nd cleaning up



ge 2 of 8							Environment		PNEC	66	ma/l	Elle
ge 2 of 8 fety data sheet according to Regulatio) (EC) No 1907/2006. Ar	inex II					Environment - sewage treatment		PNEC	6,6	mg/l	Für ents
vision date / version: 01.11.2021 / 00 placing version dated / version: 17.03	15						plant					ech des
lid from: 01.11.2021	2021 / 0004											Sila ol
F print date: 01.11.2021 SMO HD-201.201												(Hy lysp
OSMO HD-201.301												duk
4 Reference to other section r personal protective equipment see S		instructions se	e Section	13.			Environment -		PNEC	1,5	mg/kg	lt. Fü
SECTIO	N 7: Handling a	nd stora	ge				sediment, freshwater				dw	ent ech
addition to information given in this se	tion relevant information	i can also be fo	ound in se	ection 8 and	d 6 1							des Sila
1 Precautions for safe hand	ing				u 0.1.							ol (Hy
 General recommendatio sure good ventilation. 	าร											lysp duk
oid contact with eyes or skin. ting, drinking, smoking, as well as foo	l-storage, is prohibited in	work-room.										ern lt.
serve directions on label and instruction e working methods according to operation	ns for use.						Environment - sediment, marine		PNEC	0,15	mg/kg dw	Fü ent
1.2 Notes on general hygien	e measures at the		•									ecl de:
neral hygiene measures for the handl ash hands before breaks and at end o	work.	cable.										Sila
ep away from food, drink and animal f move contaminated clothing and prote	ctive equipment before e			ood is cons	sumed.							(Hy lys
2 Conditions for safe storage ep out of access to unauthorised indiv		compatibil	lities									dul
pre product closed and only in original t to be stored in gangways or stair we	backing.								DNEO	0.00		lt.
pre cool.	5.						Environment - soil		PNEC	0,06	mg/kg dw	Fü
ore in a dry place. 3 Specific end use(s)												ec de
information available at present.												Sil ol
SECTION 8: Expe	sure controls/	personal	prote	ection								(H lys
												du
1 Control parameters						Consumer	Human - dermal	Short term,	DNEL	0,1	mg/kg	lt.
e methanol listed below can arise upo Chemical Name Calciun	contact with water.				Content			systemic effects	DNEL		bw/day	
EL-TWA: 4 mg/m3 (respirable dust),	WEL-STEL:				%:	Consumer	Human - dermal	Long term, systemic effects		0,1	mg/kg bw/day	
mg/m3 (total inhalable dust)						Consumer	Human - inhalation	Long term, systemic effects	DNEL	0,7	mg/m3	
nitoring procedures: IGV:		Other in	nformatior	n:		Consumer	Human - oral	Long term, systemic effects	DNEL	0,1	mg/kg bw/day	
Chemical Name Silica, a	morphous				Content	Consumer	Human - inhalation	Short term, systemic effects	DNEL	93,4	mg/m3	
					%:	Workers /	Human - dermal	Long term,	DNEL	0,2	mg/kg bw/day	
EL-TWA: 6 mg/m3 (total inh. dust),	WEL-STEL:					employees		systemic effects				
mg/m3 (resp. dust)						employees Workers /	Human - inhalation	systemic effects Long term,	DNEL	2,6	mg/m3	
mg/m3 (resp. dust) nitoring procedures: IGV:		Other in	nformatior			Workers / employees Workers /	Human - inhalation Human - inhalation	Long term, systemic effects Short term,	DNEL DNEL	2,6 4,9		
mg/m3 (resp. dust) nitoring procedures:		·			Content %:	Workers / employees		Long term, systemic effects			mg/m3	
mg/m3 (resp. dust) nitoring procedures: IGV: Chemical Name Methan L-TWA: 200 ppm (266 mg/m3) EU, 200 ppm (260 mg/m3) (EU) EU)	 WEL-STEL: 250 p (WEL)	opm (333 mg/m	n3			Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation	Long term, systemic effects Short term, systemic effects	DNEL	4,9	mg/m3 mg/m3	
mg/m3 (resp. dust) nitoring procedures: IGV: Chemical Name Methan EL-TWA: 200 ppm (266 mg/m3)	 WEL-STEL: 250 p (WEL) Draeger - Alcohol 25/2	opm (333 mg/m a Methanol (81	n3	n:		Workers / employees Workers / employees	Human - inhalation	Long term, systemic effects Short term,			mg/m3	No
mg/m3 (resp. dust) nitoring procedures: IGV: Chemical Name Methan L-TWA: 200 ppm (266 mg/m3) EU, 200 ppm (260 mg/m3) (EU) EU)	WEL-STEL: 250 p (WEL) Draeger - Alcohol 25/c Compur - KITA-119 S Compur - KITA-119 S	opm (333 mg/m a Methanol (81 A (549 640) (549 657)	n3 01 631)	n:	%:	Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation	Long term, systemic effects Short term, systemic effects Effect on	DNEL	4,9 Valu	mg/m3 mg/m3	No
mg/m3 (resp. dust) nitoring procedures: IGV: Chemical Name Methan L-TWA: 200 ppm (266 mg/m3) EU, 200 ppm (260 mg/m3) (EU) EU)	WEL-STEL: 250 g (WEL) Draeger - Alcohol 25/ Compur - KITA-119 U DFG Meth. Nr. 6 (D) (I (Solvent mixtures 6) -	opm (333 mg/m a Methanol (81 A (549 640) (549 657) Loesungsmittel 2013, 2002 - E	n3 01 631) Igemische EU project	n: e 6), DFG (%:	Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation propylamine n Exposure route / Environmental compartment	Long term, systemic effects Short term, systemic effects Effect on	DNEL Descri ptor	4,9 Valu e	mg/m3 mg/m3 Unit	No
mg/m3 (resp. dust) nitoring procedures: IGV: Chemical Name Methan L-TWA: 200 ppm (266 mg/m3) EU, 200 ppm (260 mg/m3) (EU) EU)	WEL-STEL: 250 g (WEL) Draeger - Alcohol 25/c Compur - KITA-119 S DFG Meth. Nr. 6 (0) (0 (Solvent mixtures 6) - BC/CEN/ENTR/000/2 NIOSH 2000 (METHA	opm (333 mg/m a Methanol (81 A (549 640) (549 657) Loesungsmittel 2013, 2002 - 002-16 card 65 NOL) - 1998	n3 01 631) Igemische U project 5-1 (2004)	n: e 6), DFG (%:	Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation propylamine n Exposure route / Environmental compartment Environment - freshwater Environment - marine	Long term, systemic effects Short term, systemic effects Effect on	DNEL Descri ptor PNEC PNEC	4,9 Valu e 0,33 0,03 3	mg/m3 mg/m3 Unit mg/l mg/l	No
mg/m3 (resp. dust) nitoring procedures: IGV: Chemical Name Methan L-TWA: 200 ppm (266 mg/m3) EU, 200 ppm (260 mg/m3) (EU) EU)	WEL-STEL: 250 f (WEL) Draeger - Alcohol 25/c Compur - KITA-119 U DFG Meth. Nr. 6 (0) ((Solvent mixtures 6) - BC/CEN/ENTR/0002; NIOSH 2000 (METHA NIOSH 2549 (VOLAT (SCREENING)) - 199	ppm (333 mg/m a Methanol (81 A (549 640) (549 657) Loesungsmittel 2013, 2002 - E 2013, 2002 - E 2014, 201	n3 01 631) Igemische U project 5-1 (2004) COMPOI	e 6), DFG (%:	Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation Propylamine n Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - water, sporadic	Long term, systemic effects Short term, systemic effects Effect on	DNEL Descri ptor PNEC	4,9 Valu e 0,33 0,03	mg/m3 mg/m3 Unit mg/l	No
mg/m3 (resp. dust) nitoring procedures: IGV: Chemical Name Methan L-TWA: 200 ppm (266 mg/m3) EU, 200 ppm (260 mg/m3) (EU) EU)	WEL-STEL: 250 g (WEL) Draeger - Alcohol 25/c Compur - KITA-119 S Compur - KITA-119 S DFG Meth. Nr. 6 (D) (U (Solvent mixtures 6) - BC/CEN/ENTR/0002/ NIOSH 2549 (VOLAT (SCREENING)) - 199 NIOSH 3500 (ORGAN EXTRACTIVE FTIR S	ppm (333 mg/m a Methanol (81 A (549 640) (549 657) Loesungsmittel 2013, 2002 - E 2013, 2002 - E 2013, 2002 - E 2013, 2002 - E 2002 - 16 card 65 NOL) - 1998 NOL) - 1998 NOL) - 1998 ILC AND INOR PECTROMETI	n3 01 631) Igemischa U project 5-1 (2004) COMPOI GANIC G RY) - 201	e 6), DFG (%:	Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation Propylamine Exposure route / Environmental Compartment Environment - freshwater Environment - marine Environment - water, sporadic (intermittent) release Environment -	Long term, systemic effects Short term, systemic effects Effect on	DNEL Descri ptor PNEC PNEC	4,9 Valu e 0,33 0,03 3	mg/m3 mg/m3 Unit mg/l mg/l mg/l	No
mg/m3 (resp. dust) nitoring procedures: IGV: Chemical Name Methan L-TWA: 200 ppm (266 mg/m3) EU, 200 ppm (260 mg/m3) (EU) EU)	WEL-STEL: 250 p (WEL) Draeger - Alcohol 25/c Compur - KITA-119 U DFG Meth. Nr. 6 (D) (I (Solvent mixtures 6) - BC/CEN/ENTR/000/2 NIOSH 2549 (VOLAT (SCREENING)) - 199 NIOSH 3080 (ORGAH	2000 ppm (333 mg/m a Methanol (81 A (549 640) (549 657) Loesungsmittel 2013, 2002 - 16 2013, 2002 - 16 2013, 2002 - 16 2014, 2002 - 16 MOL) - 1998 ILE ORGANIC 5 IIC AND INOR PECTROMETI A (CH 29 701)	n3 01 631) Igemische U project 5-1 (2004) COMPOI GANIC G RY) - 201	e 6), DFG (<u>%:</u> (E)	Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation Propylamine Exposure route / Environmental Compartment Environment - freshwater Environment - marine Environment - water, sporadic (intermittent) release Environment - sediment, freshwater	Long term, systemic effects Short term, systemic effects Effect on	DNEL Descri ptor PNEC PNEC PNEC PNEC	4,9 Valu e 0,33 0,03 3 3,3 1,2	mg/m3 mg/m3 Unit mg/l mg/l mg/l mg/kg dry weight	No
mg/m3 (resp. dust) nitoring procedures: [GV: Chemical Name Methan EL-TWA: 200 ppm (266 mg/m3) EL), 200 ppm (260 mg/m3) (EU) nitoring procedures: -	WEL-STEL: 250 g (WEL) Draeger - Alcohol 25/c Compur - KITA-119 S Compur - KITA-119 S DFG Meth. Nr. 6 (D) (U (Solvent mixtures 6) - BC/CEN/ENTR/0002/ NIOSH 2549 (VOLAT (SCREENING)) - 199 NIOSH 3500 (ORGAN EXTRACTIVE FTIR S	2000 ppm (333 mg/m a Methanol (81 A (549 640) (549 657) Loesungsmittel 2013, 2002 - 16 2013, 2002 - 16 2013, 2002 - 16 2014, 2002 - 16 MOL) - 1998 ILE ORGANIC 5 IIC AND INOR PECTROMETI A (CH 29 701)	n3 01 631) Igemische U project 5-1 (2004) COMPOI GANIC G RY) - 201	= 6), DFG (; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	<u>%:</u> (E)	Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation Propylamine Exposure route / Environmental Compartment Environment - freshwater Environment - marine Environment - water, sporadic (intermittent) release Environment -	Long term, systemic effects Short term, systemic effects Effect on	DNEL Descri ptor PNEC PNEC PNEC	4,9 Valu e 0,33 0,03 3 3,3	mg/m3 mg/m3 Unit mg/l mg/l mg/l dry weight mg/kg dry	No
mg/m3 (resp. dust) nitoring procedures: GV: Chemical Name Methan EL-TWA: 200 ppm (266 mg/m3) (EU) nitoring procedures: - - IGV: IGV: methoxyvinyIsilane	WEL-STEL: 250 p (WEL) Draeger - Alcohol 25/c Compur - KITA-119 U DFG Meth. Nr. 6 (D) ((Solvent mixtures 6) - BC/CEN/ENTR/000/2 NIOSH 2549 (VOLAT (SCREENING)) - 1991 NIOSH 3800 (ORGAN EXTRACTIVE FTIR S Draeger - Alcohol 100	opm (333 mg/m a Methanol (81 A (549 640) (549 657) Loesungsmittel 2013, 2002 - E 2013, 2014 ILC AND INOR IPECTROMETI // C(H 29 701) Other in	n3 01 631) Igemische EU project -1 (2004) COMPOI GANIC G RY) - 201) iformation	1: = 6), DFG (UNDS ASES BY 6 1: Sk (WE	<u>%:</u> (E) EL, EU)	Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation Propylamine n Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - water, sporadic (intermittent) release Environment - sediment, freshwater Environment -	Long term, systemic effects Short term, systemic effects Effect on	DNEL Descri ptor PNEC PNEC PNEC PNEC	4,9 Valu e 0,33 0,03 3 3,3 1,2 0,12 0,12	mg/m3 mg/m3 Unit mg/l mg/l dry weight mg/kg dry weight mg/kg	Nd
mg/m3 (resp. dust) nitoring procedures: GOV: Chemical Name Methan EL-TWA: 200 ppm (266 mg/m3) EL), 200 ppm (260 mg/m3) (EU) nitoring procedures: - - - - - - - - - - - - - -	WEL-STEL: 250 g (WEL) Draeger - Alcohol 25/r Compur - KITA-119 S Compur - KITA-119 S DFG Meth. Nr. 6 (D) (U (Solvent mixtures 6) - BC/CEN/ENTR:0002/ NIOSH 2549 (VOLAT (SCREENING)) - 199 NIOSH 2549 (VOLAT (SCREENING)) - 199 NIOSH 3800 (ORGAN EXTRACTIVE FTIR S Draeger - Alcohol 100	2000 ppm (333 mg/m a Methanol (81 A (549 640) (549 657) Loesungsmittel 2013, 2002 - 16 2013, 2002 - 16 2013, 2002 - 16 2014, 2002 - 16 MOL) - 1998 ILE ORGANIC 5 IIC AND INOR PECTROMETI A (CH 29 701)	n3 01 631) Igemische U project 5-1 (2004) COMPOI GANIC G RY) - 201	= 6), DFG (; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	<u>%:</u> (E)	Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation propylamine n Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - marine Environment - sodiment, freshwater Environment - sediment, freshwater Environment - sediment, freshwater Environment - sediment, marine Environment - sediment, marine	Long term, systemic effects Short term, systemic effects Effect on	DNEL Descri ptor PNEC PNEC PNEC PNEC PNEC	4,9 Valu e 0,33 0,03 3 3,3 1,2 0,12 0,04 5	mg/m3 mg/m3 Unit mg/l mg/l mg/kg dry weight mg/kg dry weight	Nc
mg/m3 (resp. dust) nitoring procedures: Chemical Name Methan EL-TWA: 200 ppm (266 mg/m3) EL), 200 ppm (260 mg/m3) (EU) nitoring procedures: - - - - - - - - - - - - -	WEL-STEL: 250 g (WEL) Draeger - Alcohol 25/r Compur - KITA-119 S Compur - KITA-119 S DFG Meth. Nr. 6 (D) (U (Solvent mixtures 6) - BC/CEN/ENTR:0002/ NIOSH 2549 (VOLAT (SCREENING)) - 199 NIOSH 2549 (VOLAT (SCREENING)) - 199 NIOSH 3800 (ORGAN EXTRACTIVE FTIR S Draeger - Alcohol 100	ppm (333 mg/m a Methanol (81 A (549 640) (549 657) Loesungsmittel 2013, 2002 - E 2013, 2002 - E 2014,	13 01 631) U project -1 (2004) COMPOI GANIC G RAVI - 201) Information	1: = 6), DFG (; UNDS :ASES BY 6 :: Sk (WE Unit	<u>%:</u> (E) EL, EU)	Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation propylamine n Exposure route / Environmental compartment Environment - frrshwater Environment - marine Environment - water, sporadic (intermittent) release Environment - sediment, freshwater Environment - sediment, freshwater Environment - sediment, marine Environment - sediment, marine Environment - sewage treatment	Long term, systemic effects Short term, systemic effects Effect on	DNEL Descri ptor PNEC PNEC PNEC PNEC PNEC	4,9 Valu e 0,33 0,03 3 3,3 1,2 0,12 0,12	mg/m3 mg/m3 Unit mg/l mg/l mg/kg dry weight mg/kg dry weight mg/kg dry	No
mg/m3 (resp. dust) nitoring procedures: GV: Chemical Name Methan L-TWA: 200 ppm (266 mg/m3) EL), 200 ppm (266 mg/m3) (EU) nitoring procedures: - - GV: methoxyvinyIsilane Exposure rout Environmenta	WEL-STEL: 250 g (WEL) Draeger - Alcohol 25/r Compur - KITA-119 S Compur - KITA-119 S DFG Meth. Nr. 6 (D) (U (Solvent mixtures 6) - BC/CEN/ENTR:0002/ NIOSH 2549 (VOLAT (SCREENING)) - 199 NIOSH 2549 (VOLAT (SCREENING)) - 199 NIOSH 3800 (ORGAN EXTRACTIVE FTIR S Draeger - Alcohol 100	ppm (333 mg/m a Methanol (81 A (549 640) (549 657) Loesungsmittel 2013, 2002 - E 2013, 2002 - E 2014, 201	n3 01 631) lgemischa U project 5-1 (2004) COMPOI GANIC G RY) - 201) nformation	1: = 6), DFG (UNDS ASES BY 6 1: Sk (WE	%: (E) EL, EU) Für entspr	Workers / employees Workers / employees 3-(trimethoxysilyl)	Human - inhalation Propylamine Exposure route / Environmental compartment Environment - marine Environment - water, sporadic (intermittent) release Environment - sediment, freshwater Environment - sediment, marine Environment - soil Environment -	Long term, systemic effects Short term, systemic effects Effect on	DNEL Descri ptor PNEC PNEC PNEC PNEC PNEC	4,9 Valu e 0,33 0,03 3 3,3 1,2 0,12 0,04 5	mg/m3 mg/m3 mg/l mg/l mg/l mg/l mg/kg dry weight mg/kg dry weight mg/l	No
mg/m3 (resp. dust) nitoring procedures: Chemical Name Methan L-TWA: 200 ppm (266 mg/m3) EU, 200 ppm (260 mg/m3) (EU) nitoring procedures: - - - - - - - - - - - - -	WEL-STEL: 250 g (WEL) Draeger - Alcohol 25/r Compur - KITA-119 S Compur - KITA-119 S DFG Meth. Nr. 6 (D) (U (Solvent mixtures 6) - BC/CEN/ENTR:0002/ NIOSH 2549 (VOLAT (SCREENING)) - 199 NIOSH 2549 (VOLAT (SCREENING)) - 199 NIOSH 3800 (ORGAN EXTRACTIVE FTIR S Draeger - Alcohol 100	ppm (333 mg/m a Methanol (81 A (549 640) (549 657) Loesungsmittel 2013, 2002 - E 2013, 2002 - E 2014, 201	13 01 631) U project -1 (2004) COMPOI GANIC G RAVI - 201) Information	1: = 6), DFG (; UNDS :ASES BY 6 :: Sk (WE Unit	%: (E) EL, EU) Für entspr echen des	Workers / employees Workers / employees 3-(trimethoxysilyl) Area of application 	Human - inhalation propylamine n Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - sporadic (intermittent) release Environment - Environment - sediment, freshwater Environment - sediment, marine Environment - sediment, marine Environment - soil Environment - soil Environment - soil Environment - soil	Long term, systemic effects Short term, systemic effects Effect on health Short term, systemic effects	DNEL Descri ptor PNEC PNEC PNEC PNEC PNEC PNEC DNEC DNEL	4,9 Valu e 0,33 3,3 1,2 0,12 0,04 5 13 17,4	mg/m3 mg/m3 Unit mg/l mg/l mg/kg dry weight mg/kg dry weight mg/kg dry mg/kg dry mg/kg dry mg/kg dry mg/l mg/m3	Ne
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	Environment - sediment, freshwater		PNEC	504, 4	mg/kg dry weight	
	Environment - sediment, marine		PNEC	50,4 4	mg/kg dry weight	
	Environment - soil Environment - sewage treatment plant		PNEC PNEC	1	mg/kg mg/l	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	0,01	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	0,03 3	mg/kg body weight/ day	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,00 3	mg/kg body weight/ day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	0,05	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	0,07	mg/kg bw/day	

Calcium carbonate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descri ptor	Valu e	Unit	Note
	Environment - sewage treatment plant		PNEC	100	mg/l	
Consumer	Human - oral	Long term, systemic effects	DNEL	6,1	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	10	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	1,06	mg/m3	
Consumer	Human - oral	Short term, systemic effects	DNEL	6,1	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	4,26	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	10	mg/m3	

Area of application	Exposure route / Environmental compartment	Effect on health	Descri ptor	Valu e	Unit	Note
	Environment - freshwater		PNEC	154	mg/l	
	Environment - marine		PNEC	15,4	mg/l	
	Environment - sediment, freshwater		PNEC	570, 4	mg/kg	
	Environment - sediment, marine		PNEC	57,0 4	mg/kg	
	Environment - soil		PNEC	23,5	mg/kg	
	Environment -		PNEC	154	mg/l	
	water, sporadic (intermittent) release			0		
	Environment - sewage treatment plant		PNEC	100	mg/l	
Consumer	Human - inhalation	Long term, local effects	DNEL	50	mg/m3	
Consumer	Human - inhalation	Short term, local effects	DNEL	50	mg/m3	
Consumer	Human - dermal	Short term, systemic effects	DNEL	8	mg/kg body weight/	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	50	day mg/m3	
Consumer	Human - oral	Short term, systemic effects	DNEL	8	mg/kg body weight/ day	
Consumer	Human - dermal	Long term, systemic effects	DNEL	8	mg/kg body weight/ day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	50	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	8	mg/kg body weight/ day	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	40	mg/kg body weight/ day	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	260	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	260	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	40	mg/kg body weight/ day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	260	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	260	mg/m3	

 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 œ

2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable 2017/104/EU, Directive 2004/3/7CE). (11) = Inhalable fraction (Directive 2004/3/7CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit the in creation to a reference period of 4 minute

(8) = Inhalable fraction (2017/194/EU, 2017/299/EU). (9) = Respirative network (2017/294/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/194/EU). (1) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/194/EU). (1) = BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) 1 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 cord of the relation. 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.

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 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.

Reep 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 nitrile gloves (EN ISO 374).

Minimum layer thickness in mm >= 0,35

Permeation time (penetration time) in minutes:

>= 120
 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. Protective hand cream recommended

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 themeteric to expect the second selection of glove material must be made taking the breakthrough times, permeation rates and

degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and

varies from manufacturer to manufacture In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested

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:	Paste, liquid.
Colour:	According to specification
Odour:	Characteristic
Melting point/freezing point:	There is no information available on this parameter.
Boiling point or initial boiling point and boiling range:	There is no information available on this parameter.
Flammability:	Combustible.
Lower explosion limit:	There is no information available on this parameter.
Upper explosion limit:	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:	Mixture is non-soluble (in water).
Kinematic viscosity:	There is no information available on this parameter.
Solubility:	Insoluble
Partition coefficient n-octanol/water (log value):	Does not apply to mixtures.
Vapour pressure:	There is no information available on this parameter.
Density and/or relative density:	1,40 g/cm3
Relative vapour density:	There is no information available on this parameter.
Particle characteristics:	Does not apply to liquids.
9.2 Other information	
Explosives:	Product is not explosive.
Oxidising liquids:	No

SECTION 10: Stability and reactivity

10.1 Reactivity duct has not been tested 10.2 Chemical stability with proper storage and handling. 10.3 Possibility of hazardous reactions 10.4 Conditions to avoid 10.5 Incompatible materials



Acute toxicity, by dermal route:	LD50	>10000	mg/k g	Rabbit	Toxicity) OECD 402 (Acute Dermal Toxicity)		route:			g		(Acute Oral toxicity - Fixe Dose Procedure)	
Acute toxicity, by oral route:	LD50	>2000	mg/k g	Rat	OECD 401 (Acute Oral		Acute toxicity, by oral	int LD50	>2000	mg/k	m Rat	OECD 420	
3-(trimethoxysilyl)propy Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes	Calcium carbonate Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes
	1am '				Study)		exposure (STOT-RE), oral:			bw/d			OECD 4
exposure (STOT-RE), inhalat.:	~				Inhalation Toxicity - 90-Day		Specific target organ toxicity - repeated	NOAE L	2	mg/k g	Rat		test guidelin
Specific target organ oxicity - repeated	NOAE C	0,058	mg/l	Rat	OECD 413 (Subchronic	Vapours	Aspiration hazard:						No
					velopm. Tox. Screening Test)								liver, spleen
oral:					Tox. Study with the Reproduction/De		exposure (STOT-RE):						lymph nodes,
oxicity - repeated exposure (STOT-RE),	L		g		(Combined Repeated Dose	organ(s): bladder	Specific target organ toxicity - repeated					Corcorning Testy	Target organ(s
Specific target organ	NOAE	62,5	mg/k	Rat	OECD 422	s Target				200/0		Toxicity Screening Test)	
						disturbance	represente toxicity.	L		g bw/d		(Reproduction/D evelopmental	
						difficulties, visual	Reproductive toxicity:	NOAE	>= 10	mg/k	Rat	Test) OECD 421	
						pain, breathing	<u> </u>					Erythrocyte Micronucleus	
						, dizziness, nausea, abdominal	Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian	Negati
ymptoms:						drowsiness , dizziness,						Chromosome Aberration Test)	hamst
arcinogenicity:				um	Mutation Test)	Negative	mutagenicity:					Vitro Mammalian	specie Chines
nutagenicity:				la typhimuri	(Bacterial Reverse		Germ cell					Test) OECD 473 (In	Positiv
Germ cell				Salmonel	Test) OECD 471	Negative						Mammalian Cell Gene Mutation	Chines
adagementy.					(Mammalian Erythrocyte Micronucleus		Germ cell mutagenicity:					OECD 476 (In Vitro	Negati st spec
Germ cell nutagenicity:				Mouse	OECD 474 (Mammalian	Negative					typhimuri um		
					Mammalian Cell Gene Mutation Test)		Germ cell mutagenicity:				Salmonel la	(Ames-Test)	Negati
Serm cell nutagenicity:					OECD 476 (In Vitro Memmelian Cell	Negative	sensitisation:				pig		sensiti
Respiratory or skin ensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Skin Sens. 1B	Respiratory or skin				Guinea	n)	Not
					Irritation/Corrosio n)		Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosio	Not irr
Serious eye amage/irritation:				Rabbit	OECD 405 (Acute Eye	Not irritant	Cariaus				Detter	Irritation/Corrosio n)	N1
					Irritation/Corrosio n)		Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal	Not irri
kin prrosion/irritation:				Rabbit	OECD 404 (Acute Dermal	Slightly irritant	inhalation:			3/4h		(Acute Inhalation Toxicity)	
halation:			4h		(Acute Inhalation Toxicity)		Acute toxicity, by	LD50	> 460	mg/m	Rat	Toxicity) OECD 403	
cute toxicity, by	LD50	2773	g ppm/	Rat	Toxicity) OECD 403	Aerosol	Acute toxicity, by dermal route:	LD50	>3170	mg/k g	Rat	OECD 402 (Acute Dermal	
cute toxicity, by oral oute:	LD50	7120	mg/k g	Rat	OECD 401 (Acute Oral		route:			g		(Acute Oral Toxicity)	
oxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes	Acute toxicity, by oral	int LD50	1490	mg/k	m Rat	OECD 401	
rimethoxyvinylsilane							hydroxyphenyl]methyl Toxicity / effect	Endpo	ate Value	Unit	Organis	Test method	Notes
spiration hazard: ymptoms:						n.d.a. n.d.a.	Bis(1,2,2,6,6-pentamet			(1,1-dimet	hylethyl)-4-		
xicity - repeated xposure (STOT-RE):							"IIIaiat					Study)	
exposure (STOT-SE): Specific target organ						n.d.a.	exposure (STOT-RE), inhalat.:					Inhalation Toxicity - 28-Day	
oxicity - single						n.u.a.	Specific target organ toxicity - repeated	NOAE C	147	mg/m 3	Rat	OECD 412 (Subacute	Aeroso
Reproductive toxicity:						n.d.a. n.d.a. n.d.a.	oral:					Toxicity Study in Rodents)	Analog
nutagenicity: Carcinogenicity:						n.d.a.	toxicity - repeated exposure (STOT-RE),	L		g		(Repeated Dose 90-Day Oral	organ(liver,
Germ cell					Node Assay)	judgement n.d.a.	Specific target organ	LOAE	600	mg/k	Rat	Rodents) OECD 408	conclus Target
sensitisation:					Sensitisation - Local Lymph	contact), Expert	exposure (STOT-RE), oral:					90-Day Oral Toxicity Study in	liver, Analog
damage/irritation: Respiratory or skin					OECD 429 (Skin	No (skin	Specific target organ toxicity - repeated	NOAE L	200	mg/k g	Rat	OECD 408 (Repeated Dose	Target organ(s
corrosion/irritation: Serious eye						n.d.a.						Developmental Toxicity Study)	
nnalation: Skin			+11			value, Vapours n.d.a.	Reproductive toxicity:	NOAE L	200	mg/k g	Rat	OECD 414 (Prenatal	
dermal route: Acute toxicity, by nhalation:	ATE	>20	mg/l/ 4h			calculated						Gene Mutation Test)	00110103
oute: Acute toxicity, by						n.d.a.	Germ cell mutagenicity:				Mammali an	OECD 476 (In Vitro Mammalian Cell	Negati Analog conclus
Acute toxicity, by oral	int			m		n.d.a.					Manuarali	Chromosome Aberration Test)	Nesst
COSMO HD-201.301 Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes	mutagenicity:				an	Vitro Mammalian	Analog conclus
Possibly more informatior COSMO HD-201.201	n on health	effects, see S	Section 2.1	(classification)	l. , , , ,		Germ cell				Mammali	Test) OECD 473 (In	Negativ
11.1. Information o	on hazaro	d classes	as defin	ed in Regu	ulation (EC) No	1272/2008						Erythrocyte Micronucleus	conclus
		1 11. 10	XICOIO	gicai inic	mation		Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian	Negativ Analogo
	ECTIO	11· To	vicolo	gical info	rmation						typhimuri um	Reverse Mutation Test)	conclus
In case of contact with wa			lucis				Germ cell mutagenicity:				Salmonel	OECD 471 (Bacterial	Negativ Analog
10.6 Hazardous de	compos	ition prod	lucts				sensitisation:				pig	Sensitisation)	contact
COSMO HD-201.201 COSMO HD-201.301							Respiratory or skin				Guinea	Irritation/Corrosio n) OECD 406 (Skin	No (skii
Valid from: 01.11.2021 PDF print date: 01.11.202		100.2021 / 0					Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Eye Da
Replacing version dated /			004									Irritation/Corrosio n)	
Safety data sheet accordi Revision date / version: 0		auon (EC) N											



B) Page 5 of 8 Safety data sheet accor Revision date / version: Replacing version dated	01.11.2021	/ 0005		06, Annex II			Serious eye damage/irritation:					Rabbit	OECD 405 (Acute Eye Irritation/Corrosio n)	Not irrita
Valid from: 01.11.2021 PDF print date: 01.11.20 COSMO HD-201.201		7.03.2021 / 0	004				Respiratory or skin sensitisation:					Guinea pig	OECD 406 (Skin Sensitisation) OECD 471	No (skin contact)
COSMO HD-201.301							Germ cell mutagenicity:					Salmonel la typhimuri	(Bacterial Reverse	Negative
Acute toxicity, by dermal route:	LD50	>2000	mg/k g	Rat	OECD 402 (Acute Dermal Toxicity)		Germ cell mutagenicity:					um Mouse	Mutation Test) OECD 474 (Mammalian	Negative
Acute toxicity, by inhalation:	LC50	>3	mg/l/ 4h	Rat	OECD 403 (Acute Inhalation Toxicity)								Erythrocyte Micronucleus Test)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio n)	Not irritant	Carcinogenicity:					Mouse	OECD 453 (Combined Chronic Toxicity/Carcinog	Negative
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosio n)	Not irritant	Reproductive toxicit	ty: NOA L	E 1,	3	mg/l	Mouse	enicity Studies) OECD 416 (Two- generation Reproduction	
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	No (skin contact)	Specific target orga toxicity - repeated exposure (STOT-R	L	.E 0,	13	mg/l	Rat	Toxicity Study) OECD 453 (Combined Chronic	
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse	Negative	Symptoms:						Toxicity/Carcinog enicity Studies)	abdomin
Germ cell mutagenicity:					Mutation Test) OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative								pain, vomiting headach gastroir tinal disturba
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative								disturbai s, drowsine , visual disturbai s, wateri
Carcinogenicity:						No indications of such an effect.								eyes, nausea, mental confusio
Reproductive toxicity:	NOEL	1000	mg/k g bw/d	Rat	OECD 422 (Combined Repeated Dose									intoxicat , dizzine
					Tox. Study with the Reproduction/De velopm. Tox.		11.2. Informati COSMO HD-201.20 COSMO HD-201.30 Toxicity / effect	D1		ards	Unit	Organis	Test method	Notes
Specific target organ toxicity - single exposure (STOT-SE):					Screening Test)	No indications of such an	Endocrine disruptin properties:	int				m		Does no apply to mixtures
Specific target organ toxicity - repeated exposure (STOT-RE):						effect. No indications of such an effect.	Other information:							No othe relevant informat availab
Aspiration hazard: Specific target organ toxicity - repeated	NOAE L	1000	mg/k g	Rat	OECD 422 (Combined	No								on adve effects o health.
exposure (STOT-RE), oral:			bw/d		Repeated Dose Tox. Study with the			SEC	TION	12: E	cologi	cal infor	mation	
					Reproduction/De velopm. Tox.		Possibly more infor		vironmer	tal effects	s, see Sec	tion 2.1 (class	ification).	
Specific target organ toxicity - repeated	NOAE C	0,212	mg/l	Rat	Screening Test) OECD 413 (Subchronic		COSMO HD-201.20 COSMO HD-201.30 Toxicity / effect		Tim	Valu	Unit	Organism	n Test	Notes
exposure (STOT-RE), inhalat.:					Inhalation Toxicity - 90-Day Study)		12.1. Toxicity to fish:	t	e	e			method	n.d.a.
Silica, amorphous Toxicity / effect	Endna	Value	Unit	Organia	Test method	Notes	12.1. Toxicity to daphnia:							n.d.a.
Acute toxicity, by oral	Endpo int LD50	Value >5000	mg/k	Organis m Rat	OECD 423	Notes	12.1. Toxicity to algae: 12.2.							n.d.a.
route:	LDSU	20000	g	Nat	(Acute Oral Toxicity - Acute Toxic Class		Persistence and degradability: 12.3.							n.d.a.
Acute toxicity, by dermal route:	LD50	> 2000	mg/k g	Rat	Method) OECD 402 (Acute Dermal		Bioaccumulative potential: 12.4. Mobility in							n.d.a.
Skin corrosion/irritation:				Rabbit	Toxicity) OECD 404 (Acute Dermal Irritation/Corrosio	Not irritant	soil: 12.5. Results of PBT and vPvB assessment							n.d.a.
Serious eye damage/irritation:				Rabbit	n) OECD 405 (Acute Eye Irritation/Corrosio	Not irritant	12.6. Endocrine disrupting properties: 12.7. Other							Does no apply to mixtures No
Germ cell mutagenicity:					n) OECD 471 (Bacterial Reverse Mutation Test)	Negative	adverse effects:							informat availabl on other adverse effects o
Aspiration hazard:						No								the environr
Methanol Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes	Other							t. DOC-
	ATE	300	mg/k g	m Human being		Experience s on	information:							eliminati degree(c mplexing
		17100	mg/k g	Rabbit		persons. Does not conform with EU								organic substand >= 80%/280
route: Acute toxicity, by	LD50		-			classificatio								
Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation:	LD50	85	mg/l/	Rat			Trimethoxyvinylsi Toxicity / effect	lane Endpoin	Tim	Valu	Unit	Organism	n Test	No



Page 6 of 8 Safety data sheet a Revision date / vers Replacing version o Valid from: 01.11.2	sion: 01.11.20 dated / versior	21 / 000	5		6, Annex II			12.1. Toxicity to fish: 12.1. Toxicity to	LC50	96h 21d	>10 0 6,4	mg/l	Brachydanio rerio Daphnia	OECD 203 (Fish, Acute Toxicity Test) OECD 211	
PDF print date: 01. COSMO HD-201.20 COSMO HD-201.30	11.2021 01							daphnia:	OEL	210	0,4	P9/1	magna	(Daphnia magna Reproductio n Test)	
12.1. Toxicity to fish:	LC50	96h	191	mg/l	Oncorhynch us mykiss	OECD 203 (Fish, Acute Toxicity Test)		12.1. Toxicity to daphnia:	NOEC/N OEL	21d	2	µg/l	Daphnia magna	OECD 211 (Daphnia magna Reproductio	
12.1. Toxicity to daphnia:	EC50	48h	169	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati		12.1. Toxicity to algae:	EC50	72h	61	mg/l	Scenedesm us subspicatus	n Test)	
12.1. Toxicity to daphnia:	NOEC/N OEL	21d	28	mg/l	Daphnia magna	on Test) OECD 211 (Daphnia magna Reproductio		12.2. Persistence and degradability:		28d	1 - 2	%	activated sludge	OECD 301 B (Ready Biodegradab ility - Co2 Evolution	Not readi biodegrad ble
12.1. Toxicity to algae:	EC50	72h	>10 0	mg/l	Selenastrum capricornut um	n Test) OECD 201 (Alga, Growth Inhibition Test)		12.3. Bioaccumulative potential:	BCF		24,3 -340			Test) OECD 305 (Bioconcentr ation - Flow- Through Fish Test)	conc. in evironme 0,01 ppr
12.1. Toxicity to algae: 12.2.	NOEC/N OEL BOD	72h	25	mg/l	Selenastrum capricornut um		Nationality	12.3. Bioaccumulative potential:	BCF		49,3 -437 ,1			OECD 305 (Bioconcentr ation - Flow-	conc. in evironme 0,1 ppm
12.2. Persistence and degradability: 12.2.	вор	28d	51	%		OECD 301 F (Ready Biodegradab ility - Manometric Respirometr y Test) OECD 301	Not readily biodegrada ble Readily	Toxicity to bacteria:	IC50	3h	>10 0	mg/l	activated sludge	Through Fish Test) OECD 209 (Activated Sludge, Respiration Inhibition Test	
Persistence and degradability:		200	51	70		F (Ready Biodegradab ility - Manometric Respirometr	biodegrada ble							(Carbon and Ammonium Oxidation))	
Tanialtata	5050	01-	05		and the stand	y Test)		Calcium carbonat		Tim	Male	11-3	0	T (Netes
Toxicity to bacteria:	EC50	3h	>25 00	mg/l	activated sludge	OECD 209 (Activated		Toxicity / effect	Endpoin t	Tim e	Valu e	Unit	Organism	Test method	Notes
						Sludge, Respiration Inhibition Test (Carbon and Ammonium		12.1. Toxicity to fish:	LC50	96h			Oncorhynch us mykiss	OECD 203 (Fish, Acute Toxicity Test)	No observat with saturated solution test material.
12.5. Results of PBT and vPvB assessment						Oxidation))	No PBT substance, No vPvB substance	12.1. Toxicity to daphnia:	EC50	48h			Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati on Test)	No observat with saturated solution test
3-(trimethoxysilyl) Toxicity / effect	Endpoin	Tim	Valu	Unit	Organism	Test	Notes	12.1. Toxicity to	EC50	72h	>14	mg/l	Desmodesm	OECD 201	material.
12.1. Toxicity to fish:	t LC50	e 96h	e >93 4	mg/l	Brachydanio rerio	method OECD 203 (Fish, Acute Toxicity	Analogous conclusion	algae:					us subspicatus	(Alga, Growth Inhibition Test)	
12.1. Toxicity to daphnia:	EC50	48h	331	mg/l	Daphnia magna	Test) OECD 202 (Daphnia sp. Acute Immobilisati on Test)	Analogous conclusion	12.1. Toxicity to algae: 12.2.	NOEC/N OEL	72h	14	mg/l	Desmodesm us subspicatus	OECD 201 (Alga, Growth Inhibition Test)	Not
12.1. Toxicity to algae:	EC50	72h	>10 00	mg/l	Desmodesm us subspicatus	OECD 201 (Alga, Growth Inhibition Test)	Analogous conclusion	Persistence and degradability:							relevant for inorganic substanc
12.2. Persistence and degradability:		28d	67	%		Regulation (EC) 440/2008 C.4-A	Not readily biodegrada ble, Analogous	12.3. Bioaccumulative potential: 12.4. Mobility in							Not to be expected n.a.
						(DETERMIN ATION OF 'READY' BIODEGRA	conclusion	soil: 12.5. Results of PBT and vPvB assessment							No PBT substand No vPvB
						DABILITY - DOC DIE- AWAY TEST)		Toxicity to bacteria:	EC50	3h	>10 00	mg/l	activated sludge	OECD 209 (Activated Sludge,	substanc
12.3. Bioaccumulative potential: 12.4. Mobility in							No Slight							Respiration Inhibition Test (Carbon	
soil: 12.5. Results of							No PBT							and Ammonium	
PBT and vPvB assessment							substance, No vPvB substance	Toxicity to bacteria:	NOEC/N OEL	3h	100 0	mg/l	activated sludge	Oxidation)) OECD 209 (Activated	
Toxicity to bacteria:	EC50		340 0	mg/l	activated sludge									Sludge, Respiration	
Toxicity to bacteria:	EC10		13	mg/l	Pseudomon as putida		References , Analogous conclusion 5,75 h							Inhibition Test (Carbon and Ammonium	
Toxicity to bacteria:	EC50		43	mg/l	Pseudomon as putida		Analogous conclusion 5,75 h	Other organisms:	EC50	21d	>10 00	mg/k g dw		Oxidation)) OECD 208 (Terrestrial Plants,	Glycine max
Bis(1,2,2,6,6-penta			3,5-bis(1	,1-dimeth	ylethyl)-4-									Growth	
hydroxyphenyl]me Toxicity / effect	ethyl]butylma Endpoin	Tim	Valu	Unit	Organism	Test	Notes	Other organisms:	EC50	21d	>10	mg/k		Test) OECD 208	Lycopers
12.5. Results of PBT and vPvB assessment	t	e	e			method	No PBT substance, No vPvB substance				00	g dw		(Terrestrial Plants, Growth Test)	on esculenti



PBT and vPvB assessment substance, No vPvB substance Methanol Toxicity / effect t Endpoin t Tim e Valu e Unit Organism Organism Test method Notes 12.5. Results of PBT and vPvB assessment Endpoin Tim e Valu e Unit Organism Test method No PBT substance, No vPvB substance, No vPvB 12.1. Toxicity to Ish: LC50 96h 154 mg/l Lepomis macrochirus EPA-660/3- 75-009 12.1. Toxicity to daphnia: EC50 96h 182 mg/l Daphnia magna OECD 202 (Daphnia sp. Acute Immobilisati on Test) 12.1. Toxicity to algae: EC50 96h 220 mg/l Pseudokirch neriella subcapitata OECD 201 (Alga, Growth Inhibition 12.2. 28d 99 % OECD 301 Readily biodegradu	Replacing version	dated / versior	21 / 0005 n: 17.03.2)4			
Bit of the constraint of	PDF print date: 01. COSMO HD-201.2	11.2021 01						
OFEC OPECL 21d 100 0 mgk g dw OPECL (Ferrestial Planes, Pl	Other organisms:	EC50	21d				(Terrestrial Plants, Growth	
Offer organisms:NOECN OEL21d100 100mg/k g dwOECD 206 g dwCPCD 206 rerestrial Plants, restCycopersic on escubentumOther organisms:NOECN OEL21d100 100mg/k g dwOECD 206 g dwOECD 206 (Ferrestrial Plants, oreal)Avena sativa plants, oreal)Other organisms:EC5014d>10 00mg/k g dwEitenia locidaOECD 207 (Ferrestrial Plants, oreal)Avena sativa plants, oreal)Other organisms:NOECN OEL14d100 00mg/k g dwEitenia locidaOECD 207 (Ferrestrial (Ferrestrial)Avena sativa plants, oreal)Other organisms:NOECN OEL28d100 00mg/k g dwEitenia locidaOECD 207 (Ferrestrial)Other organisms:NOECN OEL28d100 00g dwOECD 216 (Soil Mcroorganis ms - n Test)20'C'Other organisms:NOECN OEL28d100 00g dwOECD 216 (Kater OECD 201 (Marcoorganis) ms - n Test)20'C'Other organisms:NOECN OEL28d100 00g dwOECD 201 (Marcoorganis) ms - n Test)20'C'Other organisms:NOECN OEL28d100 00gdOECD 202 (Marcoorganis) mg/ mg/OECD 202 mg/ DephniaOther organisms:NOECN PS20'C'20'C'Vitic mg/ mg/OECD 202 mg/ mg/ DephniaOther organisms:ECC026h	Other organisms:		21d				OECD 208 (Terrestrial Plants,	
Offer organisms: NOECN 21d 100 mg/k 0 OEC 208 Avena sativa Other organisms: EC50 14d >10 g/dw Elsenia foelda OEC 208 Avena sativa Avena sativa Other organisms: NOECN 14d 00 g/dw Elsenia foelda OEC 2020 Avena sativa Other organisms: NOECN 14d 000 g/dw Elsenia foelda OEC 2020 Avena sativa Other organisms: NOECN 28d >10 mg/k Elsenia foelda OEC 2020 Site castor Other organisms: NOECN 28d 100 g/dw Elsenia foelda OEC 2020 Site castor Site castor OEC 2020 <	Other organisms:		21d				OECD 208 (Terrestrial Plants,	on
Other organisme: ECS0 14d >10 mg/k Elsenia OECD 207 (Bettimworn, Acute Other organisme: NOECN 14d 100 ng/k Elsenia CETWworn, Acute Other organisme: NOECN 14d 100 ng/k Elsenia CETWworn, Acute Other organisme: ECS0 28d >10 mg/k Elsenia CECD 216 (Salidower, Salidowe	Other organisms:		21d				OECD 208 (Terrestrial Plants,	
Other organisms: NOE CN OEL 14d 00 mg/k g dw Eisenia foetida OEC 207 (Entiworm, Acute Toxicity Tests) Other organisms: EC50 28d >10 mg/k g dw Coloration g dw Coloration (Entiworm, Acute Toxicity Tests) Other organisms: NOEC/N 28d 100 mg/k g dw Coloration (Solution) Coloration (Solution) Other organisms: NOEC/N 28d 100 mg/k g dw Coloration (Solution) Coloration (Solution) Other organisms: NOEC/N 28d 100 mg/k g dw Coloration (Solution) Coloration (Solution) Coloration (Solution) Coloration (Solution) Coloration (Solution) 20°C (Water Solution) Stitca, amorphous ECO 9ch 100 mg/l Coloration (Solution) 20°C (Water Solution) 12.1 Toxicity to tapphria: ECO 24h >-10 mg/l Scenedesm us usubspicatus Coloration (Solution) Inorganic method 12.1 Toxicity to tapphria: ErCS0 72h >-1 mg/l Scenedesm us usubspicatus Coloration (Solution) No PET substance, No v	Other organisms:	EC50	14d				OECD 207 (Earthworm, Acute	
Other organisms: EC50 28d >10 mg/k g dw OECD 216 (Sol witcroorganis ms - Nitrogen Transformati on Test) OECD 216 (Bol Microorganis ms - Nitrogen Transformati on Test) Other organisms: NOEC/N OEL 28d 100 mg/k 0 OECD 216 (Bol Microorganis ms - Nitrogen Transformati on Test) 20°C Water solubility: 0 0.011 g/l Organism Transformati on Test) 20°C Stitca, amorphous 0.011 g/l Organism Transformati on Test) 20°C Stitca, amorphous EC0 96h >10 mg/l Brachydani Magan 76 20°C Stitca, amorphous EC0 96h >10 mg/l Brachydani Magan 0CECD 216 0C Stitca, amorphous EC0 96h >10 mg/l Brachydani Magan 0CECD 202 0Caphnia magna Test Notes 12.1. Toxicity to lagae: EC50 72h >=1 mg/l Scenedesm OECD 201 (Mga, Growth Inorganic products and torm webdas 12.1. Toxicity to lagardability: EC50 72h >=1 Mg/l G	Other organisms:		14d				OECD 207 (Earthworm, Acute	
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Toxicity to IC50 3h >10 n	ng/l activated	OECD 209
bacteria:	sludge	(Activated
		Sludge, Respiration
		Inhibition
		Test (Carbon
		and
		Ammonium Oxidation))
Other Log Pow -		
information: 0,77 Other DOC <70 9	6	
information: Other BOD >60 %	<u> </u>	
information:		
SECTION 13: Dispo	sal considera	ations
· · · ·		
13.1 Waste treatment methods For the substance / mixture / residual an	ounts	
EC disposal code no.:		
The waste codes are recommendations based on the s Owing to the user's specific conditions for use and disp		
allocated under certain circumstances. (2014/955/EU)		
08 04 09 waste adhesives and sealants containing orga Recommendation:	nic solvents or other ha	azardous substances
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 san		
15 01 10 packaging containing residues of or contamina		
SECTION 14: Trar	sport information	ation
General statements 14.1. UN number or ID number:	n.a.	
Transport by road/by rail (ADR/RID)	n.a.	
14.2. UN proper shipping name:		
14.3. Transport hazard class(es): 14.4. Packing group:	n.a. n.a.	
Classification code:	n.a.	
LQ: 14.5. Environmental hazards:	n.a. Not applicable	
Tunnel restriction code:		
Transport by sea (IMDG-code) 14.2. UN proper shipping name:		
14.3. Transport hazard class(es):	n.a.	
14.4. Packing group: Marine Pollutant:	n.a. n.a	
14.5. Environmental hazards:	Not applicable	
Transport by air (IATA) 14.2. UN proper shipping name:		
14.3. Transport hazard class(es):	n.a.	
14.4. Packing group: 14.5. Environmental hazards:	n.a. Not applicable	
14.6. Special precautions for user	Not applicable	
Unless specified otherwise, general measures for safe		
14.7. Maritime transport in bulk accordin Non-dangerous material according to Transport Regula		ients
SECTION 15: Regu		ation
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		the second state of the second s
	gulations/legisla	tion specific for the
substance or mixture	gulations/legisla	tion specific for the
substance or mixture Observe restrictions:		·
substance or mixture Observe restrictions: Comply with national regulations/laws governing materr 92/85/EEC)!	ity protection (national	·
substance or mixture Observe restrictions: Comply with national regulations/laws governing materr 92/85/EEC)!	ity protection (national	·
substance or mixture Observe restrictions: Comply with national regulations/laws governing materr 92/85/EEC)! Comply with trade association/occupational health regu	ity protection (national	·
substance or mixture Observe restrictions: Comply with national regulations/laws governing materr 92/85/EEC)! Comply with trade association/occupational health regu Directive 2010/75/EU (VOC): 15.2 Chemical safety assessment	ity protection (national lations. 0,3 %	·
Substance or mixture Observe restrictions: Comply with national regulations/laws governing materr 29/85/EE()! Comply with trade association/occupational health regu Directive 2010/75/EU (VOC): 15.2 Chemical safety assessment A chemical safety assessment is not provided for mixtu	ity protection (national lations. 0,3 % es.	implementation of the Directive
substance or mixture Observe restrictions: Comply with national regulations/laws governing materr 92/85/EEC)! Comply with trade association/occupational health regu Directive 2010/75/EU (VOC): 15.2 Chemical safety assessment	ity protection (national lations. 0,3 % es.	implementation of the Directive
Substance or mixture Observe restrictions: Comply with national regulations/laws governing materr 92/85/EEC)! Comply with trade association/occupational health regu Directive 2010/75/EU (VOC): 15.2 Chemical safety assessment A chemical safety assessment is not provided for mixtu SECTION 16: Of	ity protection (national lations. 0,3 % res. :her informatio	implementation of the Directive
substance or mixture Observe restrictions: Comply with national regulations/laws governing materr 92/85/EC)! Comply with trade association/occupational health regu Directive 2010/75/EU (VOC): 15.2 Chemical safety assessment A chemical safety assessment is not provided for mixtu SECTION 16: Of Revised sections: These details refer to the product as it is delivered.	ity protection (national lations. 0,3 % tes. ther information 1-16	implementation of the Directive
substance or mixture Observe restrictions: Comply with national regulations/laws governing materr 32/85/EC)! Comply with trade association/occupational health regu Directive 2010/75/EU (VOC): 15.2 Chemical safety assessment A chemical safety assessment is not provided for mixtu SECTION 16: Of Revised sections: These details refer to the product as it is delivered.	ity protection (national lations. 0,3 % tes. ther information 1-16	implementation of the Directive
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substance or mixture Observe restrictions: Comply with national regulations/laws governing materr 92/85/EC)! Comply with trade association/occupational health regu Directive 2010/75/EU (VOC): 15.2 Chemical safety assessment A chemical safety assessment is not provided for mixtu SECTION 16: Of Revised sections: These details refer to the product as it is delivered. Employee instruction/training in handling hazardous ma Classification and processes used to de accordance with the ordinance (EG) 127 Classification in accordance with	ity protection (national lations. 0,3 % ther information 1-16 terials is required. rive the classific	implementation of the Directive
substance or mixture Observe restrictions: Comply with national regulations/laws governing materr 92/85/EEC)! Comply with trade association/occupational health regu Directive 2010/75/EU (VOC): 15.2 Chemical safety assessment A chemical safety assessment is not provided for mixtu SECTION 16: Of Revised sections: These details refer to the product as it is delivered. Employee instruction/training in handling hazardous ma Classification and processes used to de accordance with the ordinance (EG) 127 Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	ity protection (national lations. 0,3 % ther information 1-16 terials is required. trive the classific 2/2008 (CLP): Evaluation met	implementation of the Directive
15.1 Safety, health and environmental resubstance or mixture Observe restrictions: Comply with national regulations/laws governing materr 2/285/EEC)! Comply with trade association/occupational health regu Directive 2010/75/EU (VOC): 15.2 Chemical safety assessment A chemical safety assessment Chemical safety assessment is not provided for mixtur SECTION 16: Of Revised sections: These details refer to the product as it is delivered. Employee instruction/training in handling hazardous me Classification and processes used to de accordance with the ordinance (EG) 127 Classification in accordance with regulation (EC) No. 1272/2008 (CLP) Eye Irrit. 2, H319 Aquatic Chronic 3, H412	ity protection (national lations. 0,3 % es. her information 1-16 terials is required. rive the classific 2/2008 (CLP): Evaluation met Classification ac procedure.	implementation of the Directive

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3). H226 Flammable liquid and vapour. H317 May cause an allergic skin reaction. H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H3318 Causes serious eye damage. H332 Harmful if inhaled. H332 Causes damage to organs through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.

procedure.



GB Page 8 of 8 RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 01.11.2021 / 0005 Regulation concerning the International Carriage of Dangerous Goods by Rail) SVHC Substances of Very High Concern Substances of Very High Concern Telephone Replacing version tatle / version: 17.1.2021 / 0003 Keplacing version dated / version: 17.03.2021 / 0004 Valid from: 01.11.2021 DDF print date: 01.11.2021 COSMO HD-201.201 Tel. TOC UN RTDG VOC Total organic carbon United Nations Recommendations on the Transport of Dangerous Goods Volatile organic compounds vPvB COSMO HD-201.301 very persistent and very bioaccumulative wet weight wwt Eye Irrit. — Eye irritation Aquatic Chronic — Hazardous to the aquatic environment - chronic Flam. Liq. — Flammable liquid Acute Tox. — Acute tox. — Acute tox. — Acute tox. Skin Sens. — Skin sensitization The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility. Skin Irrit. - Skin irritation ese stateme These statements were made by: Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 Skii mita. — Skii mitadudi Eye Dam. — Serious eye damage Acute Tox. — Acute toxicity - oral STOT RE — Specific target organ toxicity - repeated exposure 5233 94 17 0, Fax: +49 5233 94 17 90 © by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung. 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). 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. Autorial 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 regorded. 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 Austriaatie urganic naugen compounds approx. approximately Art., Art. no.Article number ASTM ASTM International (American Society for Testing and Materials) ATE Acute Toxicity Estimate BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAUA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF Bioconcentration factor BCF BSEF The International Bromine Council bw body weight Chemical Abstracts Service CAS CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level Derived No Effect Level Dissolved organic carbon dry weight for example (abbreviation of Latin 'exempli gratia'), for instance for example (abbreviation of Latin 'exempli gratia'), for instance Effect Concentration/Level of x % on reduction of the biomass DNFI Derived No Effect Level DOC dw e.g. for example (abbre EbCx, EyCx, EbLx (x = 10, 50) ECHA European Commicals Agency ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect EEC European Economic Community EINECS European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances EIN European Norms EPA United States Environmental Protection Agency (United States of America) ErCx, EµCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants) et cetera etc. EU European Union EVAL Fax. Ethylene-vinyl alcohol copolymer Fax number gen. GHS general Globally Harmonized System of Classification and Labelling of Chemicals GWP Global warming potential Adsorption coefficient of organic carbon in the soil Koc Koc Adsorption coefficient of organic carbon in the soil octanol-water partition coefficient IARC International Agency for Research on Cancer IATA International Air Transport Association IBC (Code) International Bulk Chemical (Code) IMDG-code International Maritime Code for Dangerous Goods International Uniform Chemical Information Database International Uniform Chemical Information Database International Union for Pure Applied Chemistry Lethal Concentration to 50 % of a test population incl. IUCLID IUPAC LC50 Loso Lethal Dose to 50% of a test population (Median Lethal Dose) Log Koc Logarithm of adsorption coefficient of organic carbon in the soil Log Kow, Log Pow Logarithm of octanol-water partition coefficient LQ Limited Quantities MARPOL International Convention for the Prevention of Marine Pollution from Ships n.a. not applicable n.av. not available n.av. nc n.c. nc n.d.a. nc NIOSH Na NLP Nc NOEC, NOEL not checked no chara available National Institute for Occupational Safety and Health (USA) No-longer-Polymer L No Observed Effect Concentration/Level Organisation for Economic Co-operation and Development OECD OSHA PBT organic Occupational Safety and Health Administration (USA) persistent, bioaccumulative and toxic Polyethylene Predicted No Effect Concentration PE PNEC parts per million ppm PVC ppm parts per million PVC Polyvinylchloride REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.