

GB Page 1 of 8 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 19.10.2022 / 0007 Replacing version tate / version: 01.11.2022 / 0000 Valid from: 19.10.2022 DDF print date: 19.10.2022 COSMO® HD-100.800 COSMO® HD-100.802 COSMO® HD-100.803

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

COSMO® HD-100.800 COSMO® HD-100.802 COSMO® HD-100.803

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture: Uses advised against: No information availa esent

1.3 Details of the supplier of the safety data sheet Weiss Chemie + Technik GmbH & Co. KG Hansastrasse 2 35708 Haiger Tel: +49 (0) 2773 / 815-0 msds@weiss-chemie.de www.weiss-chemie.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number Emergency information services / official advisory body:

Telephone number of the company in case of emergencies: +49 (0) 700 / 24 112 112 (WIC) +1 872 5888271 (WIC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) 1272/2008 (CLP) The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

EUH208-Contains Trimethoxyvinylsilane. May produce an allergic reaction. EUH210-Safety data sheet available on request.

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %). The mixture does not contain any PPT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (c 0, 1 %). The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures Trimethoxyvinylsilane Registration number (REACH) 01-2119513215-52-XXXX 014-049-00-0 Index EINECS, ELINCS, NLP, REACH-IT List-No. 220-449-8 CAS 2768-02-7 content % Classification according to Regulation (EC) 1272/2008 Flam. Liq. 3, H226 (CLP), M-factors Acute Tox, 4, H332 Skin Sens. 1B, H317

Titanium dioxide (in powder form containing 1 % or	
more of particles with aerodynamic diameter <= 10 µm)	
Registration number (REACH)	01-2119489379-17-XXXX
Index	022-006-002
EINECS, ELINCS, NLP, REACH-IT List-No.	236-675-5
CAS	13463-67-7
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008	Carc. 2, H351 (as inhalation)
(CLP), M-factors	

Impurities, test data and additional information may have been taken into account in classifying and labelling the product

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16. The substances name of this section are given with their actual appropriate Cassification! For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

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 Supply person with fresh air and consult doctor according to symptoms. Skin contact Wipe off residual product carefully with a soft, dry cloth Remove polluted, soaked dothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor. Eye contact Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary. Ingestion Rinse the mouth thoroughly with water. Give copious water to drink - consult doctor immediately. 4.2 Most important symptoms and effects, both acute and delayed If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours. 4.3 Indication of any immediate medical attention and special treatment needed Symptomatic treatment **SECTION 5: Firefighting measures** 5.1 Extinguishing media Adapt to the nature and extent of fire. Water jet spray/foam/CO2/dry extinguishe Unsuitable extinguishing media 5.2 Special hazards arising from the substance or mixture In case of fire the following can develop: Oxides of carbon Oxides of nitrogen Toxic dases 5.3 Advice for firefighters For personal protective equipment see Section 8. In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Dispose of contaminated extinction water according to official regulations. **SECTION 6: Accidental release measures** 6.1 Personal precautions, protective equipment and emergency procedures 6.1.1 For non-emergency personnel In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination. Ensure sufficient ventilation, remove sources of ignition. Avoid dust formation with solid or powder products Avoid dust formation with solid of powder products. Leave the danger zone if possible, use kisting emergency plans if necessary. Ensure sufficient supply of air. 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 **6.2 Environmental precautions** If leakage occurs, dam up. Resolve leaks if this possible without risk. Prevent surface and ground-water infiltration, as well as ground penetration. Prevent surface and ground-water infiltration, as well as ground penetration. If accidental entry into drainage system occurs, inform responsible authorities 6.3 Methods and material for containment and cleaning up Soak up with absorbent material (e.g. universal binding agent, sand, diate dispose of according to Section 13. ous earth, sawdust) and Or Pick up mechanically and dispose of according to Section 13. 6.4 Reference to other sections For personal protective equipment see Section 8 and for disposal instructions see Section 13. **SECTION 7: Handling and storage** In addition to information given in this section, relevant information can also be found in section 8 and 6.1. 7.1 Precautions for safe handling 7.1.1 General recommendations Ensure good ventilation. Avoid contact with eyes. Avoid long lasting or intensive contact with skin. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use.

7.1.2 Notes on general hygiene measures at the workplace 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 equipm nent before entering areas in which food is consumed. 7.2 Conditions for safe storage, including any incompatibilities Store product closed and only in original packing. Not to be stored in gangways or stair wells.

Store at room temperature

Store in a dry place 7.3 Specific end use(s)

No info

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The (GB)	The methanol listed below can arise upon contact with water. Chemical Name Titanium dioxide (in powder form containing 1 % or more of									
\sim		particles v	vith aerodynamic diameter	<= 10 µm)						
WE	L-TWA: 10 mg/m3 (total	inhalable	WEL-STEL:							
dus	t), 4 mg/m3 (respirable due	st)								
Mor	nitoring procedures:									
BM	GV:			Other information	n:					
GB										



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Safety data sheet acco Revision date / version	ed / version: 01.11.2021 2 2022 0 2		ex II					Environment - soil		PNEC	0,06	mg/kg dw	Für entspr echen des Silantri ol (Hydro lyspro dukt) ermitte
Chemical Name WEL-TWA: 5 mg/m3	3 1	halate VEL-STEL:					Consumer	Human - dermal	Short term,	DNEL	0,1	mg/kg	It.
Monitoring procedures BMGV:	:		Other in	nformatio	n:		Consumer	Human - dermal	systemic effects Long term,	DNEL	0,1	bw/day mg/kg	
GB Chemical Name	e Calcium carbo	nate					Consumer	Human - inhalation	systemic effects Long term,	DNEL	0,7	bw/day mg/m3	
WEL-TWA: 4 mg/m3	3 (respirable dust), V	VEL-STEL:							systemic effects			-	
10 mg/m3 (total inhala Monitoring procedures							Consumer	Human - oral	Long term, systemic effects	DNEL	0,1	mg/kg bw/day	
BMGV:			Other in	nformatio	n:		Consumer	Human - inhalation	Short term,	DNEL	93,4	mg/m3	
GB Chemical Name	e Silicon dioxide						Workers /	Human - dermal	systemic effects Long term,	DNEL	0,2	mg/kg	
WEL-TWA: 6 mg/m3 2,4 mg/m3 (resp. dust)		VEL-STEL:					employees	Lumon inholotion	systemic effects	DNEL		bw/day	
Monitoring procedures							Workers / employees	Human - inhalation	Long term, systemic effects		2,6	mg/m3	
BMGV:			Otheri	nformatio	n:		Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	4,9	mg/m3	
GB Chemical Name WEL-TWA: 200 ppm	e Methanol	VEL-STEL: 250 ppr	m (333 ma/r	n3			employeee	1				I	
(WEL), 200 ppm (260	mg/m3) (EU) (WEL)					Titanium dioxide (in	powder form containing	1 % or more of part	icles with a	aerodyna	mic diame	ter <= 10
Monitoring procedures	- Co	eger - Alcohol 25/a M mpur - KITA-119 SA	(549 640)	01 631)			μm) Area of application	Exposure route /	Effect on	Descri	Valu	Unit	Note
	- Coi	mpur - KITA-119 U (5 G Meth. Nr. 6 (D) (Lo	49 657) esungsmitte	Idemisch	e 6) DEG	(F)	Area or application	Environmental	health	ptor	e	Unit	Note
	(Sc	lvent mixtures 6) - 20	13, 2002 - E	EŪ projec	t	(_)		compartment Environment -		PNEC	0,18	mg/l	
		CEN/ENTR/000/200 OSH 2000 (METHAN		5-1 (2004)			freshwater			4	-	
		OSH 2549 (VOLATILE CREENING)) - 1996	ORGANIC	COMPO	UNDS			Environment - marine		PNEC	0,01 84	mg/l	
	ŇIC	OSH 3800 (ÖRGANIC						Environment - water, sporadic		PNEC	0,19 3	mg/l	
		TRACTIVE FTIR SPE leger - Alcohol 100/a			6			(intermittent) release					
BMGV:	510				n: Sk (WI	EL, EU)		Environment - sewage treatment		PNEC	100	mg/l	
								plant		51/50	100	ليبسا	
Trimethoxyvinylsilan	A							Environment - sediment, freshwater		PNEC	100 0	mg/kg dw	
Area of application	Exposure route /	Effect on	Descri	Valu	Unit	Note		Environment - sediment, marine		PNEC	100	mg/kg dw	
	Environmental compartment	health	ptor	e				Environment - soil		PNEC	100	mg/kg	
	Environment -		PNEC	0,4	mg/l	Für		Environment - oral		PNEC	166	dw mg/kg	
	freshwater					entspr echen	-	(animal feed)			7	feed	
						des Silantri	Consumer	Human - oral	Long term, systemic effects	DNEL	700	mg/kg bw/d	
						ol	Workers /	Human - inhalation	Long term, local effects	DNEL	10	mg/m3	
						(Hydro lyspro	employees		local effects		1	I	
						dukt)	Diisononyl phthalate						
						ermitte It.	Area of application	Exposure route /	Effect on	Descri	Valu	Unit	Note
	Environment -		PNEC	0,04	mg/l	Für		Environmental	health	ptor	e	1 1	
	marine				-	entspr		compartment				1 1	
	marine			-,	-	entspr echen		Environment - soil		PNEC	30	mg/kg	
	marine							Environment - soil Environment - oral (animal feed)		PNEC	150	mg/kg	
	marine					echen des Silantri ol	Consumer	Environment - soil Environment - oral	Long term, svstemic effects				
	marine					echen des Silantri ol (Hydro lyspro	Consumer	Environment - soil Environment - oral (animal feed)	systemic effects Long term,	PNEC	150	mg/kg	
	marine					echen des Silantri ol (Hydro		Environment - soil Environment - oral (animal feed) Human - inhalation	systemic effects Long term, systemic effects Long term,	PNEC DNEL	150 15,3	mg/kg mg/m3	
			DNEC		mal	echen des Silantri ol (Hydro lyspro dukt) ermitte It.	Consumer Consumer	Environment - soil Environment - oral (animal feed) Human - inhalation Human - dermal Human - oral	systemic effects Long term, systemic effects Long term, systemic effects	PNEC DNEL DNEL DNEL	150 15,3 220 4,4	mg/kg mg/m3 mg/kg mg/kg	
	Environment - water, sporadic		PNEC		mg/l	echen des Silantri ol (Hydro lyspro dukt) ermitte It. Für entspr	Consumer Consumer Workers / employees	Environment - soil Environment - oral (animal feed) Human - inhalation Human - dermal Human - oral Human - dermal	systemic effects Long term, systemic effects Long term, systemic effects Long term, systemic effects	PNEC DNEL DNEL DNEL DNEL	150 15,3 220 4,4 366	mg/kg mg/m3 mg/kg mg/kg mg/kg	
	Environment -		PNEC		mg/l	echen des Silantri ol (Hydro lyspro dukt) ermitte It. Für	Consumer Consumer Workers /	Environment - soil Environment - oral (animal feed) Human - inhalation Human - dermal Human - oral	systemic effects Long term, systemic effects Long term, systemic effects Long term,	PNEC DNEL DNEL DNEL	150 15,3 220 4,4	mg/kg mg/m3 mg/kg mg/kg	
	Environment - water, sporadic		PNEC		mg/l	echen des Silantri ol (Hydro lyspro dukt) ermitte It. Für entspr echen des Silantri	Consumer Consumer Workers / employees Workers /	Environment - soil Environment - oral (animal feed) Human - inhalation Human - dermal Human - oral Human - dermal	systemic effects Long term, systemic effects Long term, systemic effects Long term, systemic effects Long term,	PNEC DNEL DNEL DNEL DNEL	150 15,3 220 4,4 366 51,7	mg/kg mg/m3 mg/kg mg/kg mg/kg	
	Environment - water, sporadic		PNEC		mg/l	echen des Silantri ol (Hydro lyspro dukt) ermitte It. Für entspr echen des Silantri ol (Hydro	Consumer Consumer Workers / employees Workers / employees Calcium carbonate	Environment - soil Environment - oral (animal feed) Human - inhalation Human - dermal Human - oral Human - dermal Human - inhalation	systemic effects Long term, systemic effects Long term, systemic effects Long term, systemic effects Long term, local effects	PNEC DNEL DNEL DNEL DNEL DNEL	150 15,3 220 4,4 366 51,7 2	mg/kg mg/m3 mg/kg mg/kg mg/m3	
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Consumer	Human - inhalation	Long term,	DNEL	26	mg/m3	
		local effects				
Consumer	Human - inhalation	Short term,	DNEL	26	mg/m3	
		local effects				
Consumer	Human - dermal	Short term,	DNEL	4	mg/kg	
		systemic effects			bw/day	
Consumer	Human - inhalation	Short term,	DNEL	26	mg/m3	
		systemic effects				
Consumer	Human - oral	Short term,	DNEL	4	mg/kg	
		systemic effects			bw/day	
Consumer	Human - dermal	Long term,	DNEL	4	mg/kg	
		systemic effects			bw/day	
Consumer	Human - inhalation	Long term,	DNEL	26	mg/m3	
		systemic effects				
Consumer	Human - oral	Long term,	DNEL	4	mg/kg	
		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				
Workers /	Human - inhalation	Short term,	DNEL	130	mg/m3	
employees		local effects				
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). (11) = Inhalable fraction (Directive 2004/37/CE). (11) = Inhalable fraction (Expiration in those Member States that implement, on the date of the entry into force of this Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction in those Member States that implement, on the date of the entry into force of this Directive 2004/37/CE). (12) = Inhalable fraction (Directive 2004/37/CE). (13) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction (Directive 2004/37/CE). (13) = Inhalable fraction (Directive 2004/37/CE). (14) = Inhalable fraction (Directive 2004/37/CE). (15) = INHALABLE fraction (Directive 2004/37/CE). (14) = Inhalable fraction (Directive 2004/37/CE). (15) = INHALABLE fraction (Directive 2004/37/CE). (14) = Inhalable fraction (Directive 2004/37/CE). (15) = INHALABLE fraction (Directive 2004/37/CE). (15) = INHALABLE fractice Exposure Limit - Short-term exposure limit (15-minute reference period). reference period).

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, (a) = Inhalable fraction (2017/164/EU, 2017/2398/EU), (9) = Kespirable fraction (2017/164/EU, 2017/2398/EU), (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU), IBMGV = 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 term of term of term of the term of term of term of the term of the term of 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 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. 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). If applicable Protective gloves in butyl rubber (EN ISO 374). Protective Neoprene® / polychloroprene gloves (EN ISO 374).

Protective nitrile gloves (EN ISO 374). Minimum layer thickness in mm:

0,5 Permeation time (penetration time) in minutes: 480

Protective hand cream recommended

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical The breakthrough times determined in accordance with 2.1.122 for 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 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 manufacturer 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 obse

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and ch	emical properties
Physical state:	Paste, liquid.
Colour:	Various
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:	There is no information available on this parameter.
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 reacts with water.
Kinematic viscosity:	There is no information available on this parameter.
Solubility:	reacts with water
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:	1,60 g/cm3 (relative density)
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

The product has not been tested. 10.2 Chemical stability

with proper storage and handling. Stable

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

10.5 Incompatible materials

Avoid contact with strong alkalis. Avoid contact with strong axidizing agents. Avoid contact with strong acids.

10.6 Hazardous decomposition products

No decomposition when used as direct

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Possibly more information on health effects, see Section 2.1 (classific COSMO® HD-100.800

COSMO® HD-100.802 COSMO® HD-100.803						
Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by	ATE	>20	mg/l/			calculated
inhalation:	=		4h			value, Vapours
Skin corrosion/irritation:						n.d.a.
Serious eye						n.d.a.
damage/irritation: Respiratory or skin					OECD 429 (Skin	No (skin
sensitisation:					Sensitisation -	contact),
Sensilisation.					Local Lymph	Expert
					Node Assay)	judgement
Germ cell			-		Noue Assay)	n.d.a.
mutagenicity:						11.0.0.
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						n.u.a.
exposure (STOT-RE):						
						nda
Aspiration hazard: Symptoms:						n.d.a. n.d.a.
Symptoms:						
	Endpo	Value	Unit	Organis	Test method	
Symptoms: Trimethoxyvinylsilane	Endpo int LD50	Value 7120	Unit mg/k	Organis m Rat	Test method OECD 401	n.d.a.
Symptoms: Trimethoxyvinylsilane Toxicity / effect	int			m		n.d.a.
Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral	int LD50	7120	mg/k	m Rat	OECD 401 (Acute Oral Toxicity)	n.d.a.
Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by	int		mg/k	m	OECD 401 (Acute Oral Toxicity) OECD 402	n.d.a.
Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route:	int LD50	7120	mg/k g	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal	n.d.a.
Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route:	int LD50 LD50	7120 3200	mg/k g mg/k g	m Rat Rabbit	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity)	n.d.a. Notes
Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by	int LD50	7120	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.
Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route:	int LD50 LD50	7120 3200	mg/k g mg/k g	m Rat Rabbit	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation	n.d.a. Notes
Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation:	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h	m Rat Rabbit Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity)	n.d.a. Notes
Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by	int LD50 LD50	7120 3200	mg/k g mg/k g mg/l/ 4h ppm/	m Rat Rabbit	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403	n.d.a. Notes
Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation:	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h	m Rat Rabbit Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation	n.d.a. Notes
Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation:	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	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 Vapours Aerosol
Symptoms: TrimethoxyvinyIsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Skin	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	m Rat Rabbit 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
Symptoms: TrimethoxyvinyIsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation:	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 404 (Acute Dermal	n.d.a. Notes Vapours Aerosol
Symptoms: TrimethoxyvinyIsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Skin	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 404 (Acute Dermal Irritation/Corrosio	n.d.a. Notes Vapours Aerosol
Symptoms: TrimethoxyvinyIsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation: Skin corrosion/irritation:	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 404 (Acute Dermal	n.d.a. Notes Vapours Aerosol Not irritant
Symptoms: TrimethoxyvinyIsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 404 (Acute Dermal Irritation/Corrosio n)	n.d.a. Notes Vapours Aerosol Not irritant
Symptoms: TrimethoxyvinyIsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation: Skin corrosion/irritation:	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	m Rat	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio	n.d.a. Notes Vapours Aerosol Not irritant
Symptoms: TrimethoxyvinyIsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye damage/irritation:	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	mRat Rabbit Rat Rat Rabbit Rabbit	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n)	n.d.a. Notes Vapours Aerosol Not irritant
Symptoms: TrimethoxyvinyIsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	m Rat Rabbit Rat Rat Rabbit Rabbit Guinea	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio	n.d.a. Notes Vapours Aerosol Not irritant
Symptoms: TrimethoxyvinyIsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensilisation: Germ cell	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	mRat Rabbit Rat Rat Rabbit Rabbit	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 406 (Skin Sensitisation) OECD 476 (In	n.d.a. Notes Vapours Aerosol Not irritant Skin Sens. 1B Negative
Symptoms: Trimethoxyvinylsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation:	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	m Rat Rabbit Rat Rat Rabbit Rabbit Guinea	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 406 (Skin Sensitisation) OECD 476 (In Vitro	n.d.a. Notes Vapours Aerosol Not irritant Skin Sens. 1B Negative Chinese
Symptoms: TrimethoxyvinyIsilane Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensilisation: Germ cell	int LD50 LD50 LC50	7120 3200 16,8	mg/k g mg/k g mg/l/ 4h ppm/	m Rat Rabbit Rat Rat Rabbit Rabbit Guinea	OECD 401 (Acute Oral Toxicity) OECD 402 (Acute Dermal Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Inhalation Toxicity) OECD 403 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 406 (Skin Sensitisation) OECD 476 (In	n.d.a. Notes Vapours Aerosol Not irritant Skin Sens. 1B Negative



B		lation (EC) N	lo 1907/200	06, Annex II			Symptoms:						mucous membrane
Revision date / version: Replacing version dated Valid from: 19.10.2022 PDF print date: 19.10.20	19.10.2022 / version: 0	/ 0007											irritation, coughing, respirator distress,
COSMO® HD-100.800 COSMO® HD-100.802													drying of the skin.
COSMO® HD-100.803 Germ cell				Mouse	OECD 474	Negative	Specific target organ toxicity - repeated exposure (STOT-RE),	NOAE L	3500	mg/k g/d	Rat		90d
mutagenicity:					(Mammalian Erythrocyte Micronucleus		oral: Specific target organ toxicity - repeated	NOAE C	10	mg/m 3	Rat		90d
Germ cell mutagenicity:				Rat	Test) OECD 489 (In Vivo Mammalian Alkaline Comet	Negative	exposure (STOT-RE), inhalat.: Diisononyl phthalate						
Germ cell				Salmonel	Assay) OECD 471	Negative	Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
mutagenicity:		1000		la typhimuri um	(Bacterial Reverse Mutation Test)		Acute toxicity, by oral route:	LD50	>10000	mg/k g	Rat	OECD 401 (Acute Oral Toxicity)	
Reproductive toxicity:	NOAE L	1000	mg/k g	Rat	OECD 422 (Combined Repeated Dose	Negative	Acute toxicity, by dermal route: Acute toxicity, by	LD50 LC50	>3160	mg/k g mg/l/	Rabbit Rat	Limit-Test	Aerosol
					Tox. Study with the Reproduction/De		inhalation: Skin corrosion/irritation:			4h	Rabbit	OECD 404 (Acute Dermal	Not irritar
Reproductive toxicity (Developmental	NOAE L	>= 75	mg/k g	Rabbit	velopm. Tox. Screening Test) OECD 414 (Prenatal	Negative	Serious eye damage/irritation:				Rabbit	Irritation/Corrosio n) OECD 405 (Acute Eye	Not irritar
toxicity): Specific target organ toxicity - repeated	LOAE	0,58	mg/l	Rat	Developmental Toxicity Study) OECD 413 (Subchronic	Vapours	Respiratory or skin sensitisation:				Guinea	Irritation/Corrosio n) Regulation (EC) 440/2008 B.6	No (skin contact)
exposure (STOT-RE), inhalat.:					Inhalation Toxicity - 90-Day Study)		sensiusation.				pig	(SKIN SENSITISATION	contact)
Symptoms:						drowsiness , dizziness,	Germ cell mutagenicity:					(Ames-Test)	Negative
						nausea, abdominal pain,	Symptoms:						diarrhoea nausea and
						breathing difficulties,	Calairmant	1		I			vomiting.
						visual disturbance	Calcium carbonate Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes
Specific target organ toxicity - repeated exposure (STOT-RE),	NOAE L	62,5	mg/k g	Rat	OECD 422 (Combined Repeated Dose	s Target organ(s): bladder	Acute toxicity, by oral route:	int LD50	>2000	mg/k g	m Rat	OECD 420 (Acute Oral toxicity - Fixe	
oral:					Tox. Study with the Reproduction/De velopm. Tox.		Acute toxicity, by dermal route:	LD50	>2000	mg/k g	Rat	Dose Procedure) OECD 402 (Acute Dermal Toxicity)	
					Screening Test)		Acute toxicity, by inhalation:	LC50	>3	mg/l/ 4h	Rat	OECD 403 (Acute Inhalation	
			1 % or mor	e of particles	with aerodynamic di	ameter <= 10	innalation.			411		Toxicity)	Not irritan
Titanium dioxide (in po	wder form	containing '	1 % 01 1101				Olda				Datable	0500 404	
μm) Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes	Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio	Notimu
μm)	Endpo				OECD 425 (Acute Oral Toxicity - Up- and-Down						Rabbit Rabbit	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio	
µm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by oral route:	Endpo int	Value	Unit mg/k g mg/k	m	OECD 425 (Acute Oral Toxicity - Up-		corrosion/irritation: Serious eye damage/irritation: Respiratory or skin					(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin	Not irritar No (skin
µm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by dermal route: Acute toxicity, by	Endpo int LD50	Value >5000	Unit mg/k g mg/k g mg/l/	m Rat	OECD 425 (Acute Oral Toxicity - Up- and-Down		corrosion/irritation: Serious eye damage/irritation:				Rabbit	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph	Not irritar
μm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route:	Endpo int LD50 LD50	Value >5000 >5000	Unit mg/k g mg/k g	m Rat	OECD 425 (Acute Oral Toxicity - Up- and-Down		corrosion/irritation: Serious eye damage/irritation: Respiratory or skin				Rabbit	(Acute Dermal Inritation/Corrosio n) OECD 405 (Acute Eye Inritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471 (Bacterial Reverse	Not irritar No (skin contact)
µm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye	Endpo int LD50 LD50	Value >5000 >5000	Unit mg/k g mg/k g mg/l/	m Rat Rabbit Rat	OECD 425 (Acute Oral Toxicity - Up- and-Down Procedure) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye	Notes	corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell				Rabbit	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471 (Bacterial Reverse Mutation Test) OECD 473 (In Vitro	Not irritar No (skin
µm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye	Endpo int LD50 LD50	Value >5000 >5000	Unit mg/k g mg/k g mg/l/	m Rat	OECD 425 (Acute Oral Toxicity - Up- and-Down Procedure) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation -	Notes Not irritant Not irritant, Mechanical irritation possible. Not sensitizisin	Corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity: Germ cell mutagenicity: Germ cell				Rabbit	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471 (Bacterial Reverse Mutation Test) OECD 473 (In Vitro Marmalian Chromosome Aberration Test) OECD 476 (In	Not irritar No (skin contact) Negative
pm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Respiratory or skin	Endpo int LD50 LD50	Value >5000 >5000	Unit mg/k g mg/k g mg/l/	m Rat Rabbit Rat Rabbit Rabbit Mouse Guinea	OECD 425 (Acute Oral Toxicity - Up- and-Down Procedure) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 405 (Skin Sensitisation - Local Lymph Node Assay) OECD 406 (Skin	Notes Not irritant Not irritant Mechanical irritation possible. Not sensitizisin g No (skin	corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity: Germ cell mutagenicity:				Rabbit	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471 (Bacterial Reverse Mutation Test) OECD 473 (In Vitro Mammalian Chromosome Aberration Test) OECD 476 (In Vitro Mammalian Cell Gene Mutation	Not irritan No (skin contact) Negative
µm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Respiratory or skin germ cell	Endpo int LD50 LD50	Value >5000 >5000	Unit mg/k g mg/k g mg/l/	m Aat Rabbit Rat Rabbit Rat Rabbit Rabbit Rabbit Mouse	OECD 425 (Acute Oral Toxicity - Up- and-Down Procedure) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 406 (Skin Sensitisation) OECD 406 (Skin Sensitisation) OECD 474 (Mammalian Erythrocyte	Notes	Corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity: Germ cell mutagenicity: Germ cell				Rabbit	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471 (Bacterial Reverse Mutation Test) OECD 473 (In Vitro Marmalian Chromosome Aberration Test) OECD 476 (In Vitro Marmalian Cell	Not irritar No (skin contact) Negative Negative Negative Negative
µm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Serious eye dermal route: Acute toxicity, by dermal route: Respiratory or skin sensitisation: Sensitisation:	Endpo int LD50 LD50	Value >5000 >5000	Unit mg/k g mg/k g mg/l/	m Rat Rabbit Rat Rabbit Rabbit Mouse Guinea pig	OECD 425 (Acute Oral Toxicity - Up- and-Down Procedure) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 420 (Skin Sensitisation- Local Lymph Node Assay) OECD 426 (Skin Sensitisation) OECD 474 (Mammalian Erythrocyte (Marmalian Erythrocyte Test) OECD 473 (In Vitro	Notes Not irritant Not irritant, Mechanical irritation possible. Not sensitizisin g No (skin contact)	corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity: Germ cell mutagenicity: Germ cell mutagenicity:	NOEL	1000	mg/k g bw/d	Rabbit	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 421 (Bacterial Reverse Mutation Test) OECD 471 (In Vitro Mammalian Chromosome Aberration Test) OECD 472 (In Vitro Mammalian Cell Gene Mutation Test) OECD 422 (Combined Repeated Dose	Not irritar No (skin contact) Negative Negative Negative Negative
µm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye damage/irritation: Serious eye damage/irritation: Germ cell mutagenicity: Germ cell mutagenicity:	Endpo int LD50 LD50	Value >5000 >5000	Unit mg/k g mg/k g mg/l/	m Rat Rabbit Rat Rabbit Rabbit Rabbit Mouse Guinea pig Mouse	OECD 425 (Acute Oral Toxicity - Up- and-Down Procedure) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 405 (Skin Sensilisation - Local Lymph Node Assay) OECD 406 (Skin Sensilisation) OECD 406 (Skin Sensilisation) OECD 474 (Marmalian Erythrocyte Micronucleus Test) OECD 473 (In	Notes Not irritant Not irritant, Mechanical irritation possible. Not sensitizisin g No (skin contact) Negative	corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity: Germ cell mutagenicity: Germ cell mutagenicity: Carcinogenicity:	NOEL	1000	g	Rabbit Mouse	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471 (Bacterial Reverse Mutation Test) OECD 473 (In Vitro Marmmalian Cell Gene Mutation Test) OECD 476 (In Vitro Marmmalian Cell Gene Mutation Test) OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/De velopm. Tox.	Not irritar No (skin contact) Negative Negative Negative Negative
µm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by dermal route: Acute toxicity, by oral route: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity: Germ cell mutagenicity:	Endpo int LD50 LD50	Value >5000 >5000	Unit mg/k g mg/k g mg/l/	mRat Rabbit Rat Rabbit Rabbit Mouse Guinea pig Mouse Mammali an	OECD 425 (Acute Oral Toxicity - Up- and-Down Procedure) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 405 (Skin Sensitisation) OECD 474 (Mammalian Erythrocyte Micronucleus Test) OECD 473 (In Vitro Mammalian Chromosome Aberration Test) (Ames-Test)	Notes Not irritant Not irritant, Mechanical irritation possible. Not sensitizisin g No (skin contact) Negative Negative Negative	corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: Specific target organ toxicity - single	NOEL	1000	g	Rabbit Mouse	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471 (Bacterial Reverse Mutation Test) OECD 473 (In Vitro Mammalian Chromosome Aberration Test) OECD 476 (In Vitro Mammalian Cell Gene Mutation Test) OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/De	Not irritar No (skin contact) Negative Negative Negative Negative Notication of such a effect.
µm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by dermal route: Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Respiratory or skin sensitisation: Germ cell mutagenicity: Germ cell mutagenicity:	Endpo int LD50 LD50	Value >5000 >5000	Unit mg/k g mg/k g mg/l/	mRat Rabbit Rat Rabbit Rabbit Mouse Guinea pig Mouse Mammali an Salmonel Ia Salmonel Ia	OECD 425 (Acute Oral Toxicity - Up- and-Down Procedure) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 406 (Skin Sensitisation) OECD 474 (Marmalian Erythrocyte Marmalian Chromosome Aberration Test) (Arres-Test)	Notes Not irritant Not irritant, Mechanical irritation possible. Not sensitizisin g No (skin contact) Negative Negative	corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity: Germ cell mutagenicity: Carcinogenicity: Carcinogenicity: Reproductive toxicity: Specific target organ toxicity - single exposure (STOT-SE): Specific target organ toxicity - repeated	NOEL	1000	g	Rabbit Mouse	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471 (Bacterial Reverse Mutation Test) OECD 473 (In Vitro Marmmalian Cell Gene Mutation Test) OECD 476 (In Vitro Marmmalian Cell Gene Mutation Test) OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/De velopm. Tox.	Not irritar No (skin contact) Negative Negative Negative Negative Negative No indication of such at effect. No
µm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by dermal route: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity:	Endpo int LD50 LD50	Value >5000 >5000	Unit mg/k g mg/k g mg/l/	mRat Rabbit Rat Rabbit Rabbit Mouse Guinea pig Mouse Mammali an Salmonel Ia Salmonel Ia	OECD 425 (Acute Oral Toxicity - Up- and-Down Procedure) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay OECD 429 (Skin Sensitisation - Local Lymph Node Assay OECD 406 (Skin Sensitisation) OECD 406 (Skin OECD 406 (Skin OECD 476 (In Vitro Mammalian Cell	Notes Not irritant Not irritant, Mechanical irritation possible. Not sensitizisin g No (skin contact) Negative Negative Negative	corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity: Germ cell mutagenicity: Carcinogenicity: Carcinogenicity: Reproductive toxicity: Specific target organ toxicity - single exposure (STOT-SE): Specific target organ toxicity - repeated exposure (STOT-SE): Aspiration hazard:			g bw/d	Rabbit Mouse Rat	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471 (Bacterial Reverse Mutation Test) OECD 471 (Bacterial Reverse Mutation Test) OECD 473 (In Vitro Mammalian Cell Gene Mutation Test) OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/De velopm. Tox. Screening Test)	Not irritar No (skin contact) Negative Negative Negative Negative Negative No indication of such a effect. No indication indication indication No indication No indication No
µm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by oral route: Acute toxicity, by dermal route: Acute toxicity, by oral route: Acute toxicity, by oral route: Acute toxicity, by oral route: Acute toxicity, by inhalation: Skin corrosion/irritation: Serious eye damage/irritation: Serious eye damage/irritation: Germ cell mutagenicity: Germ cell mutagenicity: Germ cell mutagenicity:	Endpo int LD50 LD50	Value >5000 >5000	Unit mg/k g mg/k g mg/l/	mRat Rabbit Rat Rabbit Rabbit Mouse Guinea pig Mouse Mammali an Salmonel Ia Salmonel Ia	OECD 425 (Acute Oral Toxicity - Up- and-Down Procedure) OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 405 (Ammalian Erythrocyte Micronucleus Test) OECD 473 (In Vitro Mammalian Chromosome Aberration Test) OECD 476 (In Vitro Mammalian Cell Gene Mutation Test) OECD 471 (Bacterial	Notes Not irritant Not irritant, Mechanical irritation possible. Not sensitizisin g No (skin contact) Negative Negative Negative	corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity: Germ cell mutagenicity: Carcinogenicity: Carcinogenicity: Reproductive toxicity: Specific target organ toxicity - single exposure (STOT-SE): Specific target organ toxicify - repeated exposure (STOT-RE):	NOEL	1000	g	Rabbit Mouse	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471 (Bacterial Reverse Mutation Test) OECD 473 (In Vitro Marmmalian Cell Gene Mutation Test) OECD 476 (In Vitro Marmmalian Cell Gene Mutation Test) OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/De velopm. Tox.	Not irritar Not irritar No (skin contact) Negative Negative Negative Negative No indication of such ai effect. No indication of such ai effect.



B) Page 5 of 8 Safety data sheet accord Revision date / version: : Replacing version dated Valid from: 19.10.2022 PDF print date: 19.10.20 COSMO® HD-100.800 COSMO® HD-100.800	19.10.2022 / version: 0	/ 0007		06, Annex II			Other information:							No other relevant informatic available on advers effects or health.
COSMO® HD-100.803 Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAE C	0,212	mg/l	Rat	OECD 413 (Subchronic Inhalation Toxicity - 90-Day Study)		Possibly more info COSMO® HD-100 COSMO® HD-100	rmation on en .800				cal informa		
Silicon dioxide					Olddy)	1	COSMO® HD-100 Toxicity / effect		Tim	Valu	Unit	Organism	Test	Notes
Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes	12.1. Toxicity to	t	е	е			method	n.d.a.
Acute toxicity, by oral route:	LD50	>5000	mg/k g	Rat	OECD 423 (Acute Oral Toxicity - Acute Toxic Class		fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to							n.d.a.
Acute toxicity, by dermal route:	LD50	> 2000	mg/k g	Rat	Method) OECD 402 (Acute Dermal Toxicity)		algae: 12.2. Persistence and degradability:							n.d.a.
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio	Not irritant	12.3. Bioaccumulative potential: 12.4. Mobility in							n.d.a.
Serious eye damage/irritation:				Rabbit	n) OECD 405 (Acute Eye Irritation/Corrosio	Not irritant	soil: 12.5. Results of PBT and vPvB assessment							n.d.a.
Germ cell mutagenicity:					n) OECD 471 (Bacterial Reverse	Negative	12.6. Endocrine disrupting properties:							Does not apply to mixtures.
Aspiration hazard:					Mutation Test)	No	12.7. Other adverse effects:							No informatio
Methanol			1											available on other
Toxicity / effect Acute toxicity, by oral	Endpo int ATE	Value 300	Unit mg/k	Organis m Human	Test method	Notes Experience								adverse effects o the
route:			g	being		s on persons.	Other							environn t.
Acute toxicity, by dermal route:	LD50	17100	mg/k g	Rabbit		Does not conform with EU classificatio n.	Other information:							DOC- eliminati degree(c mplexing organic substanc
Acute toxicity, by inhalation:	LC50	85	mg/l/ 4h	Rat		Not relevant for classificatio	Other	107			0/			>= 80%/280 n.a.
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosio n)	n., Vapours Not irritant	Other information:	AOX			%			Accordin to the recipe, contains no AOX.
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact)	Trimethoxyvinyls							
Germ cell mutagenicity:				Salmonel la typhimuri	OECD 471 (Bacterial Reverse	Negative	Toxicity / effect	Endpoin t LC50	Tim e 96h	Valu e 191	Unit mg/l	Organism Oncorhynch	Test method OECD 203	Notes
Germ cell mutagenicity:				um Mouse	Mutation Test) OECD 474 (Mammalian Erythrocyte	Negative	fish: 12.1. Toxicity to	EC50	48h	168,	mg/l	us mykiss Daphnia	(Fish, Acute Toxicity Test) Regulation	
Carcinogenicity:				Mouse	Micronucleus Test) OECD 453 (Combined Chronic Toxicity/Carcinog	Negative	daphnia:			7		magna	(EC) 440/2008 C.2 (DAPHNIA SP. ACUTE IMMOBILIS	
Reproductive toxicity:	NOAE L	1,3	mg/l	Mouse	enicity Studies) OECD 416 (Two- generation Reproduction		12.1. Toxicity to daphnia:	NOEC/N OEL	21d	28	mg/l	Daphnia magna	ATION TEST) OECD 211 (Daphnia	
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAE L	0,13	mg/l	Rat	Toxicity Study) OECD 453 (Combined Chronic		12.1. Toxicity to algae:	EC50	72h	>10 0	mg/l	Selenastrum	magna Reproductio n Test) OECD 201 (Alga,	
Symptoms:					Toxicity/Carcinog enicity Studies)	abdominal pain,		10500	701	-		um	Growth Inhibition Test)	
						vomiting, headaches,	12.1. Toxicity to algae:	NOEC/N OEL	72h	25	mg/l	Selenastrum capricornut		
						gastrointes tinal disturbance s, drowsiness , visual	12.2. Persistence and degradability:	BOD	28d	51	%	um	OECD 301 F (Ready Biodegradab ility - Manometric Respirometr	Not read biodegra ble
						disturbance s, watering eyes, nausea,	12.3. Bioaccumulative	Log Kow		1,1			y Test)	Not to be
						mental confusion, intoxication , dizziness	potential: QSAR 12.4. Mobility in soil:							20 °C Slight
11.2. Information	on other	hazards					Toxicity to bacteria:	EC50	3h	>25 00	mg/l	activated sludge	OECD 209 (Activated	
COSMO® HD-100.800 COSMO® HD-100.802 COSMO® HD-100.803													Sludge, Respiration Inhibition	
Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes							Test (Carbon	
Endocrine disrupting properties:						Does not apply to mixtures.	12.5. Results of						and Ammonium Oxidation))	No PBT
							PBT and vPvB assessment							substand No vPvB



Valid from: 19.10.2 PDF print date: 19.		22 / 000	7		6, Annex II			Other organisms:	LC50	14d	>73 72	mg/k g	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
COSMO® HD-100. COSMO® HD-100.	.800							Calcium carbonat Toxicity / effect	e Endpoin	Tim	Valu	Unit	Organism	Test	Notes
COSMO® HD-100.								12.1. Toxicity to	t LC50	e 96h	е		Oncorhynch	method OECD 203	No
Toxicity to bacteria:	EC10	5h	100 0	mg/l	Pseudomon as putida			fish:					us mykiss	(Fish, Acute Toxicity	observatio with
Titanium dioxide ((in powder fo	rm conta	ining 1 9	% or more	of particles with	aerodynamic di	iameter <= 10							Test)	saturated solution of
µm) Toxicity / effect	Endpoin	Tim	Valu	Unit	Organism	Test	Notes								test material.
12.1. Toxicity to fish:	t LC50	e 96h	e >10 0	mg/l	Oncorhynch us mykiss	method OECD 203 (Fish, Acute Toxicity Test)		12.1. Toxicity to daphnia:	EC50	48h			Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati on Test)	No observatio with saturated solution of
12.1. Toxicity to daphnia:	LC50	48h	>10 0	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati on Test)		12.1. Toxicity to algae:	EC50	72h	>14	mg/l	Desmodesm us subspicatus	OECD 201 (Alga, Growth	test material.
12.1. Toxicity to algae:	EC50	72h	16	mg/l	Pseudokirch neriella subcapitata	U.S. EPA- 600/9-78- 018		12.1. Toxicity to	NOEC/N	72h	14	mg/l	Desmodesm	Inhibition Test) OECD 201	
12.2. Persistence and degradability:					ouboupiata		Not relevant for inorganic substances	algae:	OEL				us subspicatus	(Alga, Growth Inhibition Test)	Not
12.3.	BCF	42d	9,6				Not to be	Persistence and degradability:							relevant for
Bioaccumulative potential: 12.3.	BCF	14d	19-				expected Oncorhync								inorganic substance
Bioaccumulative potential:		1-10	352				hus mykiss	12.3. Bioaccumulative							Not to be expected
12.4. Mobility in soil:							Negative	potential: 12.4. Mobility in							n.a.
12.5. Results of PBT and vPvB assessment Toxicity to			>50	mg/l	Escherichia		No PBT substance, No vPvB substance	soil: 12.5. Results of PBT and vPvB assessment							No PBT substance No vPvB substance
bacteria: Toxicity to	LC0	24h	>50 00 >10	mg/l	coli Pseudomon			Toxicity to bacteria:	EC50	3h	>10 00	mg/l	activated sludge	OECD 209 (Activated	Jubaidiiide
bacteria:		24()	000		as fluorescens			buotena.					Sladge	Sludge, Respiration	
Toxicity to annelids:	NOEC/N OEL		>10 00	mg/k g	Eisenia foetida									Inhibition Test	
Water solubility:							Insoluble20 °C							(Carbon and	
Diisononyl phthal Toxicity / effect	ate Endpoin	Tim	Valu	Unit	Organism	Test	Notes	Toxicity to	NOEC/N	3h	100	mg/l	activated	Ammonium Oxidation)) OECD 209	
12.1. Toxicity to	t LC50	e 96h	• e >10	mg/l	Brachydanio	method 92/69/EC	Notes	bacteria:	OEL	011	0	iiig/i	sludge	(Activated Sludge,	
fish: 12.1. Toxicity to	EC50	48h	2	mg/l	rerio Daphnia	84/449/EEC								Respiration	
daphnia: 12.1. Toxicity to	NOEC/N	21d	4 >=1	mg/l	magna Daphnia	C.2 OECD 202								Test (Carbon	
daphnia:	OEL		00		magna	(Daphnia sp. Acute Immobilisati								and Ammonium Oxidation))	
			88	mg/l	Scenedesm	on Test)		Other organisms:	EC50	21d	>10 00	mg/k g dw		OECD 208 (Terrestrial	Glycine max
12.1. Toxicity to	NOEC/N	l 72h			us subspicatus									Plants, Growth	
12.1. Toxicity to algae:	NOEC/N OEL	72h								21d	>10	mg/k		Test) OECD 208	Lycopersio
algae: 12.1. Toxicity to		72h 72h	>88	mg/l	Scenedesm us	84/449/EEC C.3		Other organisms:	EC50	210					
algae:	OEL		>88	mg/l	Scenedesm	C.3 Regulation (EC) 440/2008	Readily biodegrada ble				00	g dw		(Terrestrial Plants, Growth Test)	
algae: 12.1. Toxicity to algae: 12.2. Persistence and	OEL	72h			Scenedesm us subspicatus activated	C.3 Regulation (EC) 440/2008 C.4-C (DETERMIN ATION OF 'READY'	biodegrada	Other organisms: Other organisms:	EC50 EC50	210				(Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth	Avena sativa
algae: 12.1. Toxicity to algae: 12.2. Persistence and degradability:	OEL EC50	72h	81		Scenedesm us subspicatus activated	C.3 Regulation (EC) 440/2008 C.4-C (DETERMIN ATION OF 'READY' BIODEGRA DABILITY - CO2 EVOLUTIO N TEST)	biodegrada ble				00 >10	g dw mg/k		(Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth	esculentur Avena
algae: 12.1. Toxicity to algae: 12.2. Persistence and	OEL	72h			Scenedesm us subspicatus activated	C.3 Regulation (EC) 440/2008 C.4-C (DETERMIN ATION OF 'READY' BIODEGRA DABILITY - CO2 EVOLUTIO N TEST) OECD 117 (Partition Coefficient (n- cotanol/wate	biodegrada	Other organisms:	EC50 NOEC/N	21d	00 >10 00	g dw mg/k g dw mg/k		(Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Second 208 (Terrestrial Plants, Growth	esculentur Avena sativa Glycine
algae: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential:	OEL EC50	72h 28d	81 8,8- 9,7		Scenedesm us subspicatus activated	C.3 Regulation (EC) 440/2008 C.4-C (DETERMIN ATION OF "READY" BIODEGRA DABILITY - CO2 EVOLUTIO N TEST) OECD 117 (Partition Coefficient (n-	biodegrada ble Analogous conclusion	Other organisms: Other organisms:	EC50 NOEC/N OEL NOEC/N NOEC/N	21d	00 >10 00 100 0 100 0	g dw mg/k g dw mg/k g dw mg/k g dw		(Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth DECD 208 (Terrestrial Plants, Growth DECD 208 (Terrestrial Plants, Growth DECD 208 (Terrestrial Plants, Growth DECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth OECD 208 (Terrestrial Plants, Growth DECD 208 (Terrestrial Plants, Growth DECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) DECD 208 (Terrestrial Plants, Growth Test) DECD 208 (Terrestrial Plants, Growth Test) DECD 208 (Terrestrial Plants, Growth Test) DECD 208 (Terrestrial Plants, Growth Test) DECD 208 (Terrestrial DECD 208 (Terrestrial DECD (Terr	esculentur Avena sativa Glycine max Lycopersio on esculentur Avena
algae: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.3. Bioaccumulative	OEL EC50	72h	81		Scenedesm us subspicatus activated	C.3 Regulation (EC) 440/2008 C.4-C (DETERMIN ATION OF 'READY' BIODEGRA DABILITY - CO2 EVOLUTIO N TEST) OECD 117 (Partition Coefficient (n- octanol/wate p) - HPLC	biodegrada ble Analogous	Other organisms: Other organisms: Other organisms:	EC50 NOEC/N OEL NOEC/N OEL	21d 21d 21d	00 >10 00 100 0 100 0	g dw mg/k g dw mg/k g dw mg/k g dw		(Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) DECD 208 (Terrestrial Plants, Growth Test) Decton 208 (Terrestrial Plants, Growth Test)	esculentur Avena sativa Glycine max Lycopersio on esculentur
algae: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.3. Bioaccumulative potential: 12.4. Mobility in soil:	OEL EC50	72h 28d	81 8,8- 9,7		Scenedesm us subspicatus activated	C.3 Regulation (EC) 440/2008 C.4-C (DETERMIN ATION OF 'READY' BIODEGRA DABILITY - CO2 EVOLUTIO N TEST) OECD 117 (Partition Coefficient (n- octanol/wate p) - HPLC	biodegrada ble Analogous conclusion	Other organisms: Other organisms: Other organisms:	EC50 NOEC/N OEL NOEC/N NOEC/N	21d 21d 21d	00 >10 00 100 0 100 0 >100 >10	g dw mg/k g dw mg/k g dw mg/k g dw mg/k g dw	Eisenia	(Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Terrestrial Plants, Growth Test) OECD 207 (Terrestrial Plants, Growth Test) OECD 207 (Terrestrial DeCD 207 (Terrest	esculentu Avena sativa Glycine max Lycopersi on esculentu Avena
algae: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.4. Mobility in	OEL EC50 Log Kow	72h 28d	81 8,8- 9,7 <3 >50 00 0,000	%	Scenedesm us subspicatus activated	C.3 Regulation (EC) 440/2008 C.4-C (DETERMIN ATION OF 'READY' BIODEGRA DABILITY - CO2 EVOLUTIO N TEST) OECD 117 (Partition Coefficient (n- octanol/wate p) - HPLC	biodegrada ble Analogous conclusion	Other organisms: Other organisms: Other organisms: Other organisms:	EC50 NOEC/N OEL NOEC/N OEL NOEC/N OEL	21d 21d 21d 21d	00 >10 00 100 0 100 0 100 0	g dw mg/k g dw mg/k g dw mg/k g dw	Eisenia foetida	(Terrestrial Plants, Growth OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test)	esculentu Avena sativa Glycine max Lycopersi on esculentu Avena
algae: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.4. Mobility in soil: Toxicity to	OEL EC50 Log Kow BCF Koc H	72h 28d 14d	81 8,8- 9,7 <3 >50 00 0,000 149 >83,7	%	Scenedesm us subspicatus activated sludge	C.3 Regulation (EC) 440/2008 C.4-C (DETERMIN ATION OF 'READY' BIODEGRA DABILITY - CO2 EVOLUTIO N TEST) OECD 117 (Partition Coefficient (n- octanol/wate r) - HPLC method) OECD 209	biodegrada ble Analogous conclusion	Other organisms: Other organisms: Other organisms: Other organisms: Other organisms:	EC50 NOEC/N OEL NOEC/N OEL EC50	21d 21d 21d 21d	00 >10 00 100 0 100 0 >100 0 >100 0 >100 0 >100 0 >100 0 >100 0 >100 0 >100 0 >100 0 > 0 0 > 0 0 > 0 > 0 > 0 > 0 > 0 0 > 0 0 > 0 0 > 0 0 > 0 0 > 0 0 0 0 0 0 0 0 0 0 0 0 0	g dw mg/k g dw mg/k g dw mg/k g dw mg/k g dw	foetida	(Terrestrial Plants, Growth OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthword, Acute Test) OECD 207 (Earthword, Acute Test)	esculentu Avena sativa Glycine max Lycopersi on esculentu Avena
algae: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil:	OEL EC50 Log Kow BCF Koc H (Henry)	72h 28d 14d	81 8,8- 9,7 <3 >50 00 0,00 000 149	%	Scenedesm us subspicatus activated sludge	C.3 Regulation (EC) 440/2008 C.4-C (DETERMIN ATION OF 'READY' BIODEGRA DABILITY - CO2 EVOLUTIO N TEST) OECD 117 (Partition Coefficient (n- octanol/wate r) - HPLC method) OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon	biodegrada ble Analogous conclusion	Other organisms: Other organisms: Other organisms: Other organisms:	EC50 NOEC/N OEL NOEC/N OEL NOEC/N OEL	21d 21d 21d 21d	00 >10 00 100 0 100 0 >10 00 >10 0 >10 0 >10 0 >10 >1	g dw mg/k g dw mg/k g dw mg/k g dw mg/k g dw mg/k g dw		(Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworn, Acute Toxicity Tests) OECD 207 (Earthworn, Acute Toxicity Toxicity Tests) OECD 207 (Earthworn, Acute Toxicity Toxic	esculentu Avena sativa Glycine max Lycopersi on esculentu Avena
algae: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.4. Mobility in soil: Toxicity to	OEL EC50 Log Kow BCF Koc H (Henry)	72h 28d 14d	81 8,8- 9,7 <3 >50 00 0,000 149, >83,	%	Scenedesm us subspicatus activated sludge	C.3 Regulation (EC) 440/2008 C.4-C (DETERMIN ATION OF 'READY' BIODEGRA DABILITY - CO2 EVOLUTIO N TEST) OECD 117 (Partition Coefficient (n- octanol/wate r) - HPLC method) OECD 209 (Activated Sludge, Respiration Inhibition Test	biodegrada ble Analogous conclusion	Other organisms: Other organisms: Other organisms: Other organisms: Other organisms: Other organisms:	EC50 NOEC/N OEL NOEC/N OEL EC50 NOEC/N OEL	21d 21d 21d 21d 14d	00 >10 00 100 0 100 0 	g dw mg/k g dw mg/k g dw mg/k g dw mg/k g dw mg/k g dw	foetida Eisenia	(Terrestrial Plants, Growth OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworn, Acute Toxicity Tests) OECD 207 (Earthworn, Acute Toxicity Tests)	esculentur Avena sativa Glycine max Lycopersic on esculentur Avena



(B) Page 7 of 8 Safety data sheet a Revision date / ver Replacing version Valid from: 19.10.2 PDF print date: 19. COSMO® HD-100	sion: 19.10.20 dated / versior 022 10.2022	22 / 000	7		5, Annex II		
COSMO® HD-100 COSMO® HD-100	.802						
Other organisms:	NOEC/N OEL	28d	100 0	mg/k g dw		OECD 216 (Soil Microorganis ms -	
						Nitrogen Transformati on Test)	
Water solubility:			0,01 66	g/l		OECD 105 (Water Solubility)	20°C
Silicon dioxide Toxicity / effect	Endpoin	Tim	Valu	Unit	Organism	Test	Notes
-	t	е	е			method	Holes
12.1. Toxicity to fish:	EC0	96h	>10 000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC0	24h	>10 00	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati on Test)	
12.1. Toxicity to algae:	ErC50	72h	>=1 000 0	mg/l	Scenedesm us subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:							Inorgani products cannot l eliminat from wa through biologic purificat methods
12.5. Results of PBT and vPvB							No PBT
assessment							substan No vPvE substan
Methanol	Endpoin	Tim	Valu	Unit	Organism	Test	No vPvE substan
Methanol Toxicity / effect	Endpoin t	Tim e	Valu e	Unit	Organism	Test method	No vPvE substan
Methanol			e	Unit	Organism		No vPvE substan Notes No PBT substan No vPvE
Methanol Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.1. Toxicity to			е 154	Unit mg/l	Lepomis		No vPvE substan No PBT substan No vPvE substan EPA-66
Methanol Toxicity / effect 12.5. Results of PBT and vPvB assessment	t	e	e				No vPvE substan Notes No PBT substan No vPvE substan
Methanol Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae:	t LC50	e 96h 96h 96h	e 154 00 182 60 220 00	mg/l mg/l mg/l	Lepomis macrochirus Daphnia	Method OECD 202 (Daphnia sp. Acute Immobilisati on Test) OECD 201 (Alga, Growth Inhibition Test)	No vPvf substan Notes No PBT substan No vPvf substan EPA-66 75-009
Methanol Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability:	t LC50 EC50 EC50	e 96h 96h	e 154 00 182 60 220 00 99	mg/l mg/l	Lepomis macrochirus Daphnia magna Pseudokirch neriella subcapitata	OECD 202 (Daphnia sp. Acute Immobilisati on Test) OECD 201 (Alga, Growth Inhibition	No vPvf substan No PBT substan No vPvf substan EPA-66 75-009 Readily biodegri ble
Methanol Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential:	t LC50 EC50 EC50	e 96h 96h 96h 28d	e 154 00 182 60 220 00 99 99 284 00	mg/l mg/l mg/l	Lepomis macrochirus Daphnia magna Pseudokirch neřiella subcapitata Chlorella vulgaris	OECD 202 (Daphnia sp. Acute Immobilisati on Test) OECD 201 (Alga, Growth Inhibition Test) OECD 301 D (Ready Biodegradab iity - Closed Bottle Test)	No vPví substan No PBT substan No vPví substan EPA-66 75-009 Readily biodegr ble
Methanol Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.2. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative	t LC50 EC50 EC50	e 96h 96h 96h	e 154 00 182 60 220 00 99 99	mg/l mg/l mg/l	Lepomis macrochirus Daphnia magna Pseudokirch neriella subcapitata	OECD 202 (Daphnia sp. Acute Immobilisati on Test) OECD 201 (Alga, Growth Inhibition Test) OECD 301 D (Ready Biodegradab iity - Closed	No vPvf substan Notes No PBT substan No vPvf substan EPA-66 75-009 Readily biodegr ble
Methanol Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: Toxicity to bacteria:	t LC50 EC50 EC50	e 96h 96h 96h 28d	e 154 00 182 60 220 00 99 99 284 00 >10 00	mg/l mg/l mg/l	Lepomis macrochirus Daphnia magna Pseudokirch neriella subcapitata Chlorella vulgaris activated	method OECD 202 (Daphnia sp. Acute Immobilisati on Test) OECD 201 (Alga, Growth Inhibition Test) OECD 201 (Alga, Growth Inhibition Test) OECD 201 D (Ready Biodegradab iifty - Closed Bottle Test) OECD 202 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium	No vPvE substan No PBT substan No vPvE substan EPA-66 75-009
Methanol Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: Toxicity to bacteria: Other information: Other	t LC50 EC50 EC50 BCF IC50	e 96h 96h 96h 28d	e 154 00 182 60 220 00 99 99 284 00 >10	mg/l mg/l mg/l	Lepomis macrochirus Daphnia magna Pseudokirch neriella subcapitata Chlorella vulgaris activated	method OECD 202 (Daphnia sp. Acute Immobilisati on Test) OECD 201 (Alga, Growth Inhibition Test) OECD 201 (Alga, Growth Inhibition Test) OECD 201 D (Ready Biodegradab iifty - Closed Bottle Test) OECD 202 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium	No vPvf substan Notes No PBT substan No vPvf substan EPA-66 75-009 Readily biodegr ble
Methanol Toxicity / effect 12.5. Results of PBT and vPB assessment 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: Toxicity to bacteria:	t LC50 EC50 EC50 BCF IC50	e 96h 96h 96h 28d	e 154 00 182 60 220 00 99 99 284 00 >10 00 - 0,77	mg/l mg/l mg/l %	Lepomis macrochirus Daphnia magna Pseudokirch neriella subcapitata Chlorella vulgaris activated	method OECD 202 (Daphnia sp. Acute Immobilisati on Test) OECD 201 (Alga, Growth Inhibition Test) OECD 201 (Alga, Growth Inhibition Test) OECD 201 D (Ready Biodegradab iifty - Closed Bottle Test) OECD 202 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium	No vPvE substan Notes No PBT substan No vPvE substan EPA-66 75-009 Readily biodegra ble

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no: 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 Decement endition.

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.

⊂ (GB)

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.

SECTION 14: Tra	ansport information
General statements	
14.1. UN number or ID number:	Not applicable
Transport by road/by rail (ADR/RID)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	Not applicable
Classification code:	Not applicable
LQ:	Not applicable
14.5. Environmental hazards:	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:	Not applicable
Marine Pollutant:	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:	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. Maritime transport in bulk accord	ing to IMO instruments
Non-dangerous material according to Transport Regu	lations.

SECTION 15: Regulatory information

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

Observe restrictions

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.

< 0.1 %

Directive 2010/75/EU (VOC):

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):

8

Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product The following phrases represent the posted Hazard and the constituents (specified in Section 2 and 3). H226 Flammable liquid and vapour. H331 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 - inh Skin Sens. — Skin sensitization Carc. — Carcinogenicity - inhalation

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. Corporation Environment Agency is required information site of substantiate and the function of the 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 (=

ADDR ACCOTO dell'opeen relatilit du transport international des materiales parageres European Agreement concerning the International Carriage of Dangerous Goods by Road) AOX Adsorbable organic halogen compounds
 Ausornabile organic halogen compounds approx.
 Adsornabile organic halogen compounds

 Art., Art. no. Article number
 Astronabile organic halogen compounds

 ASTM
 Astronabile organic halogen compounds

 Astronabile organic halogen compounds
 Astronabile organic halogen compounds

 Bandesantal für Materialforschung und -prüfung (Federal halogen compounds
 Astronabile organic halogen compo Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and BANN Durinosonical für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health BAUA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF Bioconcentration factor BSEF The International Bromine Council body weight Chemical Abstracts Service Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, d packaging of substances and mixtures) bw CAS CLP labelling a CMR DMEL carcinogenic, mutagenic, reproductive toxic Derived Minimum Effect Level DNEL DOC Derived No Effect Level Dissolved organic carbon dw e.g. dry weight for example (abbreviation of Latin 'exempli gratia'), for instance



GB Page 8 of 8 Safety data	3 sheet according to Regulation (EC) No 1907/2006, Annex II
Revision da	te / version: 19.10.2022 / 0007
	ersion dated / version: 01.11.2021 / 0006
Valid from: PDF print da	19.10.2022 ate: 19.10.2022
COSMO® H	ID-100.800
COSMO® H	
COSMO® H	10-100.803
	x, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass
(algae, plan EC	ts) European Community
ECHA	European Chemicals Agency
	= 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect
EEC	European Economic Community
EINECS ELINCS	European Inventory of Existing Commercial Chemical Substances European List of Notified Chemical Substances
EN	European Norms
EPA	United States Environmental Protection Agency (United States of America)
(algae, plan	ts) Effect Concentration/Level of x % on inhibition of the growth rate
etc.	et cetera
EU	European Union
EVAL Fax.	Ethylene-vinyl alcohol copolymer Fax number
gen.	general
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
GWP Koc	Global warming potential Adsorption coefficient of organic carbon in the soil
Kow	octanol-water partition coefficient
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
	International Bulk Chemical (Code) International Maritime Code for Dangerous Goods
incl.	including, inclusive
IUCLID	International Uniform Chemical Information Database
IUPAC LC50	International Union for Pure Applied Chemistry Lethal Concentration to 50 % of a test population
LD50	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, Lo	og Pow Logarithm of octanol-water partition coefficient Limited Quantities
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.a.	not applicable
n.av. n.c.	not available not checked
n.d.a.	no data available
NIOSH	National Institute for Occupational Safety and Health (USA)
NLP NOEC, NOE	No-longer-Polymer EL No Observed Effect Concentration/Level
OECD	Organisation for Economic Co-operation and Development
org.	organic
OSHA PBT	Occupational Safety and Health Administration (USA) persistent, bioaccumulative and toxic
PE	Polyethylene
PNEC	Predicted No Effect Concentration
ppm PVC	parts per million Polyvinylchloride
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No
	concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT L	List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS 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 (=
Regulation of SVHC	concerning the International Carriage of Dangerous Goods by Rail)
Tel.	Substances of Very High Concern Telephone
TOC	Total organic carbon
UN RTDG	United Nations Recommendations on the Transport of Dangerous Goods
VOC vPvB	Volatile organic compounds very persistent and very bioaccumulative
wwt	wet weight
The states -	nate mode have about discouting the menduat with report to the pressness of fathers and the second
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The statements made here should describe the product with registers of the insection, and the product with registers of the insection of the product with registers o