

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 01.11.2021 / 0010

Revision date / version: 0.11.202 / 0.00 Replacing version dated / version: 20.08.2021 / 0.009 Valid from: 01.11.2021 PDF print date: 01.11.2021 COSMO PU-205.280

COSMO PU-205.282 COSMO PU-205.284

(COSMOFEN DUO - Härter) (COSMOFEN DUO grau - Härter)

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 PU-205.280 **COSMO PU-205.282** COSMO PU-205.284

(COSMOFEN DUO - Härter) (COSMOFEN DUO grau - Härter)

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:

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)

Hazard class	Hazard category	Hazard statement
STOT RE	2	H373-May cause damage to organs through prolonged or repeated exposure.
Eye Irrit.	2	H319-Causes serious eye irritation.
STOT SE	3	H335-May cause respiratory irritation.
Skin Irrit.	2	H315-Causes skin irritation.
Resp. Sens.	1	H334-May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens.	1	H317-May cause an allergic skin reaction.
Carc.	2	H351-Suspected of causing cancer.

2.2 Label elements

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





Danger

H373-May cause damage to organs through prolonged or repeated exposure. H319-Causes serious eye irritation. H335-May cause respiratory irritation. H315-Causes skin irritation. H334-May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317-May cause an allergic skin reaction. H351-Suspected of causing cancer.

P201-Obtain special instructions before use. P260-Do not breathe vapours or spray. P280-Wear protective gloves / protective clothing / eye protection / face protection. P284-Wear respiratory

P302+P352-IF ON SKIN: Wash with plenty of water / soap. P304+P340-IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P3361+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313-IF exposed or concerned: Get medical advice / attention.

EUH204-Contains isocyanates. May produce an allergic reaction.

As from 24 August 2023 adequate training is required before industrial or professional use. Diphenylmethanediisocyanate, isomeres and homologues

2.3 Other hazards

2.3 OTHER NAZATOS

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 PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 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

3.2 Wintures	
Diphenylmethanediisocyanate, isomeres and	
homologues	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	***
CAS	9016-87-9
content %	25-<50
Classification according to Regulation (EC) 1272/2008	Acute Tox. 4, H332
(CLP), M-factors	Skin Irrit. 2, H315
	Eye Irrit. 2, H319
	Resp. Sens. 1, H334
	Skin Sens. 1, H317
	Carc. 2, H351
	STOT SE 3, H335
	STOT RE 2, H373
Specific Concentration Limits and ATE	Skin Irrit. 2, H315: >=5 %
	Eye Irrit. 2, H319: >=5 %
	Resp. Sens. 1, H334: >=0,1 %
	STOT SE 3 H335: >=5 %

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 %	<1
Classification according to Regulation (EC) 1272/2008	Carc. 2, H351 (as inhalation)
(CLP), M-factors	

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

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!

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms. If the person is unconscious, place in a stable side position and consult a doctor. Respiratory arrest - Artificial respiration apparatus necessary.

Skin contact

Wipe off residual product carefully with a soft, dry cloth.

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Dab away with polyethylene glycol 400

Eve contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available.

Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately

4.2 Most important symptoms and effects, both acute and delayedIf applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. The following may occur:

Dermatitis (skin inflammation) Drving of the skin.

Discoloration of the skin

Irritant to mucosa of the nose and throat

Coughing

Headaches Effect on the central nervous system

Asthmatic symptoms
In case of sensitivity, concentrations below the limit value may already result in asthmatic symptoms.
Respiratory distress

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

In case of irritation of the lungs, perform first-aid with controlled-dosage aer Pulmonary oedema prophylaxis

Medical supervision necessary due to possibility of delayed reaction.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinction powder

Water jet spray

Unsuitable extinguishing media

High volume water jet 5.2 Special hazards arising from the substance or mixture

In case of fire the following ca Oxides of carbon Oxides of nitrogen

Isocyanates

Hydrocyanic acid (hydrogen cyanide)

Toxic gases
Danger of bursting (explosion) when heated



B Page 2 of 7

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 01.11.2021 / 0010 Replacing version dated / version: 20.08.2021 / 0009 Valid from: 01.11.2021 PDF print date: 01.11.2021

COSMO PU-205,280 COSMO PU-205 282

COSMO PU-205.284

(COSMOFEN DUO - Härter)

(COSMOFEN DUO grau - Härter) 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.

Cool container at risk with water.

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 personnel

lease, 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.

Leave the danger zone if possible, use existing emergency plans if necessary.

Ensure sufficient supply of air.

Avoid inhalation, and 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 from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning upSoak up with absorbent material (e.g. universal binding agent, sand, diatomaceout
dispose of according to Section 13.

Allow to stand for a few days in an unclosed container until reaction no longer occurs.

Allow to statute to the control of t

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 inhalation of the vapours.

Avoid innalation or the valpour.

If applicable, suction measures at the workstation or on the processing machine necessary.

Avoid contact with eyes or skin.

No contact with products of this type in case of allergies, asthma und chronic respiratory tract disorders.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions

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 equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals Not to be stored in gangways or stair wells.

Store product closed and only in original packing. Keep protected from direct sunlight and temperatures over 50°C. Only store at temperatures from to .

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

WEL-TWA: 6 mg/m3 (total inh. dust),

2,4 mg/m3 (resp. dust)

(GB)	Chemical Name	Diphenylm	Diphenylmethanediisocyanate, isomeres and homologues Content						
						%:25-			
						<50			
WEL-T	WA: 0,02 mg/m3 (Iso	ocyanates,	WEL-STEL: 0,07 r	ng/m3 (Isocyanates,					
all (as -	all (as -NCO)) all (as -NCO))								
	ing procedures:								
BMGV:	BMGV: 1 µmol isocyanate-derived diamine/mol creatinine in urine Other information: Sen								
(At the	end of the period of ex	posure)	(Isocyanates, all (as -N)			
				• • • •					
(GB)	Chemical Name	Titanium o	lioxide (in powder form	containing 1 % or more	e of	Content			
		particles v	ith aerodynamic diame	ter <= 10 µm)		%:<1			
	WA: 10 mg/m3 (total		WEL-STEL:						
dust), 4	mg/m3 (respirable du	st)							
Monitor	ing procedures:								

Monitoring procedures:					
BMGV:			Other information	:	
					Content
(GB) Chemical Name Calcium carbonate					
					%:
WEL-TWA: 4 mg/m3 (respir	able dust),	WEL-STEL:			
10 mg/m3 (total inhalable dus	t)				
Monitoring procedures:					
BMGV:			Other information	:	
Chemical Name	Cilion om	ornhous			Contont

WEL-STEL:

Monitoring procedures:	
BMGV:	Other information:

Area of application	Exposure route / Environmental	Effect on health	Descri ptor	Valu e	Unit	Note
	compartment	neatti	ptoi	-		
	Environment -		PNEC	1	mg/l	
	freshwater				gr	
	Environment - marine		PNEC	0,1	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	10	mg/l	
	Environment - sewage treatment plant		PNEC	1	mg/l	
	Environment - soil		PNEC	1	mg/kg	
Consumer Human - oral		Short term, local effects	DNEL	20	mg/kg bw/d	
Consumer	nsumer Human - inhalation		DNEL	0,05	mg/m3	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	0,05	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	0,02 5	mg/m3	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	0,02 5	mg/m3	
Consumer	Human - dermal	Short term, local effects	DNEL	17,2	mg/cm 2	
Consumer	Human - dermal	Short term, systemic effects	DNEL	25	mg/kg bw/d	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	0,1	mg/m3	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	0,1	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	0,05	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	0,05	mg/m3	
Workers / employees	Human - dermal	Short term, local effects	DNEL	28,7	mg/cm 2	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	50	mg/kg bw/d	

Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm)						
Area of application	Exposure route / Environmental compartment	Effect on health	Descri ptor	Valu e	Unit	Note
	Environment - freshwater		PNEC	0,18 4	mg/l	
	Environment - marine		PNEC	0,01 84	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0,19 3	mg/l	
	Environment - sewage treatment plant		PNEC	100	mg/l	
	Environment - sediment, freshwater		PNEC	100 0	mg/kg dw	
	Environment - sediment, marine		PNEC	100	mg/kg dw	
	Environment - soil		PNEC	100	mg/kg dw	
	Environment - oral (animal feed)		PNEC	166 7	mg/kg feed	
Consumer	Human - oral	Long term, systemic effects	DNEL	700	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	10	mg/m3	

Calcium carbonate						
Area of application	Dilication Exposure route / Effect Environmental health compartment		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	3,2	mg/l	
	Environment - marine		PNEC	0,32	mg/l	
	Environment - sewage treatment plant		PNEC	95	mg/l	
	Environment - soil		PNEC	600	mg/kg dw	
Consumer	Human - oral	Long term, systemic effects	DNEL	1,25	mg/kg body weight/ day	



Mixture reacts with water.

Does not apply to liquids

There is no information available on this parameter.

There is no information available on this parameter.

There is no information available on this parameter.

Insoluble

Does not apply to mixtures.

There is no information available on this parameter.

1,60 g/cm3 (relative density)
There is no information available on this parameter.

Page 3 of 7

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 01.11.2021 / 0010

Revision date / version: 0.11.202 / 0.00 Replacing version dated / version: 20.08.2021 / 0.009 Valid from: 01.11.2021 PDF print date: 01.11.2021 COSMO PU-205.280 COSMO PU-205.282 COSMO PU-205.284

(COSMOFEN DUO - Härter) (COSMOFEN DUO grau - Härter)

Consumer	Human - dermal	Long term, systemic effects	DNEL	1,25	mg/kg body weight/ day	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	2,5	mg/kg body weight/ day	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	3	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 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g restraine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).

(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 value in relation to a reference period of 1 minute (2017/164/EU), | BMGV = Biological monitoring guidance value EH40. BGW = 'Biologischer Grenzwert' (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the 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

insure good ventilation. This can be achieved by local suction or general air extraction. 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.

Applies only if maximum permissible exposure values are listed nere.

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 hydiene 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.

Eve/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:

= 480

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical The breaking of the selection accordance with EN 103231 were conditions.

The recommended maximum wearing time is 50% of breakthrough time. Protective hand cream recommended.

Skin protection - Other

ctive working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection

Normally not necessary.

If OES or MEL is exceeded.

Filter A2 P2 (EN 14387), code colour brown, white

Observe wearing time limitations for respiratory protection equipment.

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 observed

8.2.3 Environmental exposure controls

No information available at present

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Colour: Odour: Melting point/freezing point:

Boiling point or initial boiling point and boiling range: Flammability: Lower explosion limit:

Upper explosion limit:

Flash point:

Paste, liquid. (DIN ISO 2137) According to specification

Characteristic

There is no information available on this parameter. Inere is no information available on this parameter. There is no information available on this parameter.

Auto-ignition temperature Decomposition temperature:

pH: Kinematic viscosity:

Solubility:
Partition coefficient n-octanol/water (log value):

Vapour pressure:

Density and/or relative density: Relative vapour density: Particle characteristics:

Explosives: Oxidising liquids

9.2 Other information Product is not explosive.

There is no information available on this parameter.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Stable with proper storage and handling. 10.3 Possibility of hazardous reactions

Exothermic reaction Alcohols Amines Bases

Acids Water

Developement of:
Carbon dioxide
CO2 formation in closed tanks causes pressure to rise.

Pressure increase will result in danger of bursting.

10.4 Conditions to avoid

See also section 7.
Protect from humidity.

Polymerisation due to high heat is possible. - 260°C

10.5 Incompatible materials

See also section 7. Acids Bases

Amines

Alcohols Water

10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Possibly more information on health effects, see Section 2.1 (classification). COSMO PU-205.280 COSMO PU-205.282 COSMO PU-205.282

SECTION 11: Toxicological information

(COSMOFEN DUO - Härter)

(COSMOFEN DUO grau - Härter)
Toxicity / effect Endpo Unit Organis Test method Notes int m Acute toxicity, by oral n.d.a route: Acute toxicity, by dermal route: ATE Acute toxicity, by >20 Vapours. mg/l inhalation: calculated value Skin corrosion/irritation: Serious eye n.d.a damage/irritation: Respiratory or skin n.d.a. sensitisation: Germ cell n.d.a Germ cell
mutagenicity:
Carcinogenicity:
Reproductive toxicity:
Specific target organ
toxicity - single
exposure (STOT-SE):
Specific target organ
toxicity - repeated n.d.a n.d.a n.d.a n.d.a toxicity - repeated exposure (STOT-RE):
Aspiration hazard:
Symptoms: n.d.a n.d.a

Diphenylmethanediisocyanate, isomeres and homologues								
Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes		
	int			m				
Acute toxicity, by oral	LD50	>10000	mg/k	Rat	OECD 401			
route:			g		(Acute Oral			
					Toxicity)			
Acute toxicity, by	LD50	>9400	mg/k	Rabbit	OECD 402			
dermal route:			g		(Acute Dermal			
					Toxicity)			
Acute toxicity, by	LC50	0,49	mg/l/	Rat	OECD 403	Aerosol,		
inhalation:			4h		(Acute Inhalation	Does not		
					Toxicity)	conform		
						with EU		
						classificatio		
Skin				Rabbit	OECD 404	n. Skin Irrit. 2		
corrosion/irritation:				Nabbit	(Acute Dermal	SKIII IIIIL. Z		
corresion/imation.					Irritation/Corrosio			
					n)			
Serious eye				Rabbit	OECD 405	Mild irritant		
damage/irritation:					(Acute Eye			
					Irritation/Corrosio			
					n)			
Respiratory or skin				Guinea	ÓECD 406 (Skin	Yes (skin		
sensitisation:				pig	Sensitisation)	contact)		
Respiratory or skin				Rat		Yes		
sensitisation:						(inhalation)		



Negative

Page 4 of 7
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 01.11.2021 / 0010
Replacing version dated / version: 20.08.2021 / 0009
Valid from: 01.11.2021
PDF print date: 01.11.2021
COSMO PU-205.280
COSMO PU-205.280 OECD 476 (In Germ cell mutagenicity: Vitro Mammalian Cell Gene Mutation COSMO PU-205.282 COSMO PU-205.284 (COSMOFEN DUO - Härter) (COSMOFEN DUO grau - Härter) Regulation (EC) Analogous conclusion, Negative Germ cell Salmonel la typhimuri um 440/2008 B.13/B.14 (REVERSE mutagenicity: MUTATION TEST USING BACTERIA) OECD 474 Germ cell mutagenicity: Negative, Analogous conclusion Rat (Mammalian Erythrocyte Micronucleus Test) OECD 453 Carcinogenicity mg/m 3 Rat Positive (Combined Chronic Toxicity/Carcinog enicity Studies) OECD 414 Reproductive toxicity Rat Negative mg/m 3 (Developmental toxicity): (Prenatal Developmental Toxicity Study) OECD 414 Rat Reproductive toxicity (Effects on fertility): Negative (Prenatal Developmental Toxicity Study) OECD 414 mg/m Negative, Aerosol Reproductive toxicity: NOAE L 12 (Prenatal Developmental Toxicity Study) Specific target organ Irritation of toxicity - single exposure (STOT-SE): the respiratory tract NOEC OECD 453 Specific target organ 0,2 mg/l toxicity - repeated exposure (STOT-RE): g (Combined Chronic Toxicity/Carcinog enicity Studies) Aspiration hazard: Symptoms: No fever, coughing, headaches, nausea and vomiting., dizziness, breathing difficulties, laryngeal oedema, abdominal pain, diarrhoea Specific target organ toxicity - single exposure (STOT-SE), inhalative: Target organ(s): respiratory organs, May cause respiratory irritation. Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 μm) Toxicity / effect Endpo Value Unit Organis Test method Notes int LD50 Acute toxicity, by oral >5000 OECD 425 mg/l (Acute Oral Toxicity - Uproute: and-Down Procedure) Acute toxicity, by LD50 >5000 mg/k Rabbit dermal route: Acute toxicity, by g mg/l/ 4h LD50 >6,8 Rat inhalation: Skin OECD 404 Rabbit Not irritant corrosion/irritation: (Acute Dermal Irritation/Corrosio n) OECD 405 Rabbit Not irritant, Serious eye damage/irritation: (Acute Eye Irritation/Corrosio Mechanical irritation possible. n) OECD 429 (Skin Respiratory or skin Mouse sensitizisin sensitisation: Sensitisation -Local Lymph Node Assay) OECD 406 (Skin Respiratory or skin Guinea No (skin Sensitisation)
OECD 474
(Mammalian
Erythrocyte pig Mouse contact) Negative mutagenicity: Micronucleus Test) OECD 473 (In Germ cell mutagenicity: Mammali an

Negative

Negative

Vitro Mammalian Chromosome Aberration Test) (Ames-Test)

la typhimuri

Germ cell

mutagenicity:

Germ cell mutagenicity:					Gene Mutation Test) OECD 471 (Bacterial Reverse Mutation Test)	Negative
Reproductive toxicity (Developmental toxicity):				Rat	OECD 414 (Prenatal Developmental	No indications of such an
Specific target organ					Toxicity Study)	effect. Not irritant (respiratory
toxicity - single exposure (STOT-SE): Symptoms:						tract).
Cympionis.						membrane irritation, coughing, respiratory distress, drying of the skin.
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAE L	3500	mg/k g/d	Rat		90d
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAE C	10	mg/m 3	Rat		90d
Calcium carbonate						
Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/k g	Rat	OECD 420 (Acute Oral toxicity - Fixe Dose Procedure)	
Acute toxicity, by dermal route:	LD50	>2000	mg/k g	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>3	mg/l/ 4h	Rat	OECD 403 (Acute Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio n)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosio	Not irritant
Respiratory or skin sensitisation:				Mouse	n) OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	No (skin contact)
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Carcinogenicity:					1000	No indications of such an
Reproductive toxicity:	NOEL	1000	mg/k g bw/d	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/De velopm. Tox. Screening Test)	effect.
Specific target organ toxicity - single exposure (STOT-SE):					odreching resty	No indications of such an effect.
Specific target organ toxicity - repeated exposure (STOT-RE):						No indications of such an effect.
Aspiration hazard: Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAE L	1000	mg/k g bw/d	Rat	OECD 422 (Combined Repeated Dose Tox. Study with	No
					the Reproduction/De velopm. Tox. Screening Test)	
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAE C	0,212	mg/l	Rat	OECD 413 (Subchronic Inhalation Toxicity - 90-Day Study)	
Silica, amorphous	F 1	W-II	1 11.5	0	Tool mad	Nata
Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/k g	Rat	OECD 423 (Acute Oral Toxicity - Acute Toxic Class	
Acute toxicity, by			1		Method) OECD 402	ı .



Page 5 of 7
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 01.11.2021 / 0010
Replacing version dated / version: 20.08.2021 / 0009
Valid from: 01.11.2021
PDF print date: 01.11.2021
COSMO PU-205.280
COSMO PU-205.280 Other information: elimination degree(co mplexing organic substance) >= 80%/28d: COSMO PU-205.282 COSMO PU-205.284 (COSMOFEN DUO - Härter) (COSMOFEN DUO grau - Härter) Organism Notes Test method OECD 404 Rabbit Not irritant 12.5 Results of No PRT (Acute Dermal Irritation/Corrosio PBT and vPvB assessment corrosion/irritation: substance n) OECD 405 Rabbit Not irritant LC50 OECD 203 Serious eye 12.1. Toxicity to 96h >10 00 Brachydanio mg/l damage/irritation: (Fish, Acute Toxicity (Acute Eye Irritation/Corrosio Test) OECD 211 n) OECD 471 NOEC/ OEL Germ cell Negative 12.1. Toxicity to mg/ >= 10 mutagenicity (Bacterial Reverse (Daphnia daphnia: magna magna Reproductio n Test) OECD 202 Mutation Test) Aspiration hazard No 12.1. Toxicity to EC50 >10 00 mg/ (Daphnia sp. Acute Immobilisati 11.2. Information on other hazards daphnia: magna COSMO PU-205.280 COSMO PU-205.282 COSMO PU-205.284 on Test)
OECD 301
C (Ready
Biodegradab 280 0 activated biodegrada ble Persistence and degradability: (COSMOFEN DUO - Härter) (COSMOFEN DUO grau - Härter)
Toxicity / effect Endpo ility -Modified Value Unit Organis Test method int MITI Test (I)) OECD 305 Endocrine disrupting Does not 12.3 BCF 42d <14 Cyprinus A notable apply to mixtures. No other Bioaccumulative (Bioconcentr ation - Flowpotential accumulati Other information Through Fish Test) relevant potential is information not to be expected (LogPow 1available on adverse effects on health. EC50 OECD 201 12.1. Toxicity to 72h >16 40 mg/l Desmodesm (Alga, Growth Inhibition algae **SECTION 12: Ecological information** subspicatus Test) OECD 209 Toxicity to EC50 3h Possibly more information on environmental effects, see Section 2.1 (classification). COSMO PU-205.280 COSMO PU-205.282 COSMO PU-205.284 >10 0 mg/l activated sludae (Activated Sludge, Respiration Inhibition (COSMOFEN DUO - Härter) Test (COSMOFEN DUO grau - Härter)
Toxicity / effect Endpoin (Carbon Tim and Valu Unit Organism Test Notes Ammonium method Oxidation)) OECD 207 12.1. Toxicity to n.d.a NOEC/N OEL Other organisms: Eisenia foetida mg/k fish: 12.1. Toxicity to (Earthworm, Acute daphnia: 12.1. Toxicity to Toxicity n.d.a. Tests) BOD 28d <10 With water information: Persistence and at the interface, Biodegradab degradability: ility -Modified MITI Test transforms slowly with formation of CO2 into a firm, insoluble (II)) Other information: Does not contain any organically bound halogens reaction product with a high melting point (polycarba which can contribute to the AOX mide). value in According waste experience available Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 to date, μm) Toxicity / effect polycarbam ide is inert Endpoin Valu Unit Organism Notes **e** >10 and non method OECD 203 12.1. Toxicity to LC50 Oncorhynch degradable mg/ (Fish, Acute Toxicity fish: us mykiss 12.3. n.d.a. Toxicity
Test)
OECD 202
(Daphnia
sp. Acute
Immobilisati Bioaccumulative 12.1. Toxicity to LC50 48h mg/ Daphnia potential: 12.4. Mobility in n.d.a daphnia: magna soil: 12.5. Results of PBT and vPvB n.d.a. on Test) U.S. EPA-600/9-78-12.1. Toxicity to EC50 72h 16 mg/ Pseudokirch neriella assessment 12.6. Endocrine algae: Does not apply to mixtures. subcapitata 018 disrupting 12.2. Not properties: 12.7. Other Persistence and relevant degradability: adverse effects: information inorganic substances available on other adverse effects on 12.3. BCF 42d Not to be 9,6 Bioaccumulative the potential: environmen BCF 14d 19-352

potential: 12.4. Mobility in

soil:

Negative



Page 6 of 7
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 01.11.2021 / 0010
Replacing version dated / version: 20.08.2021 / 0009
Valid from: 01.11.2021
PDF print date: 01.11.2021
COSMO PU-205.280
COSMO PU-205.280 COSMO PU-205.282 COSMO PU-205.284

Calcium carbonato

(COSMOFEN DUO - Härter) (COSMOFEN DUO grau - Härter)

12.5. Results of PBT and vPvB assessment						No PBT substance, No vPvB substance
Toxicity to			>50	mg/l	Escherichia	
bacteria:			00		coli	
Toxicity to	LC0	24h	>10	mg/l	Pseudomon	
bacteria:			000		as	
					fluorescens	
Toxicity to	NOEC/N		>10	mg/k	Eisenia	
annelids:	OEL		00	g	foetida	
Water solubility:				_		Insoluble20
-						°C

Calcium carbonat	е						
Toxicity / effect	Endpoin t	Tim e	Valu e	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h			Oncorhynch us mykiss	OECD 203 (Fish, Acute Toxicity Test)	No observation with saturated solution of test material.
12.1. Toxicity to daphnia:	EC50	48h			Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati on Test)	No observation with saturated solution of test material.
12.1. Toxicity to algae:	EC50	72h	>14	mg/l	Desmodesm us subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/N OEL	72h	14	mg/l	Desmodesm us subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:							Not relevant for inorganic substances
12.3. Bioaccumulative potential:							Not to be expected
12.4. Mobility in soil:							n.a.
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC50	3h	>10 00	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Toxicity to bacteria:	NOEC/N OEL	3h	100 0	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other organisms:	EC50	21d	>10 00	mg/k g dw		OECD 208 (Terrestrial Plants, Growth Test)	Glycine max
Other organisms:	EC50	21d	>10 00	mg/k g dw		OECD 208 (Terrestrial Plants, Growth Test)	Lycopersic on esculentum
Other organisms:	EC50	21d	>10 00	mg/k g dw		OECD 208 (Terrestrial Plants, Growth Test)	Avena sativa
Other organisms:	NOEC/N OEL	21d	100 0	mg/k g dw		OECD 208 (Terrestrial Plants, Growth Test)	Glycine max
Other organisms:	NOEC/N OEL	21d	100 0	mg/k g dw		OECD 208 (Terrestrial Plants, Growth Test)	Lycopersic on esculentum

Other organisms:	NOEC/N OEL	21d	100 0	mg/k g dw		OECD 208 (Terrestrial Plants, Growth Test)	Avena sativa
Other organisms:	EC50	14d	>10 00	mg/k g dw	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
Other organisms:	NOEC/N OEL	14d	100 0	mg/k g dw	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
Other organisms:	EC50	28d	>10 00	mg/k g dw		OECD 216 (Soil Microorganis ms - Nitrogen Transformati on Test)	
Other organisms:	NOEC/N OEL	28d	100	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

Silica, amorphous	Silica, amorphous						
Toxicity / effect	Endpoin t	Tim e	Valu e	Unit	Organism	Test method	Notes
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:							Inorganic products cannot be eliminated from water through biological purification methods.
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

For the substance / Inixture / restudent amounts
EC disposal code no:
The waste codes are recommendations based on the scheduled use of this product.
Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)
80 40 99 waste adhesives and sealants containing organic solvents or other hazardous substances

08 04 09 waste adnesives and sealants containing or 08 05 01 waste isocyanates Recommendation: Sewage disposal shall be discouraged. Pay attention to local and national official regulations. E.g. suitable incineration plant.

Hardened product: E.g. dispose at suitable refuse site.

E.g. dispose at suitable refuse site.

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

15 01 10 packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

Not applicable

General statements

14.1. UN number or ID number: Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name: 14.3. Transport hazard class(es): 14.4. Packing group: Classification code: n.a. n.a. n.a.

LQ: 14.5. Environmental hazards: Tunnel restriction code:

Tunnel restriction code:
Transport by sea (IMDG-code)
14.2. UN proper shipping name:
14.3. Transport hazard class(es):
14.4. Packing group:
Marine Pollutant:
14.5. Environmental hazards: n.a Not applicable

Transport by air (IATA)

14.2. UN proper shipping name: 14.3. Transport hazard class(es): 14.4. Packing group: 14.5. Environmental hazards:

n.a. n.a. Not applicable

14.6. Special precautions for user

specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments



Page 7 of 7

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 01.11.2021 / 0010

Revision date / version: 0.11.202 / 0.00 Replacing version dated / version: 20.08.2021 / 0.009 Valid from: 01.11.2021 PDF print date: 01.11.2021 COSMO PU-205.280 COSMO PU-205.282 COSMO PU-205.284

(COSMOFEN DUO - Härter) (COSMOFEN DUO grau - Härter)

Non-dangerous material according to Transport Regulations

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 the protection of young people at work (national

implementation of the Directive 94/33/EC)!
Regulation (EC) No 1907/2006, Annex XVII
Diphenylmethanediisocyanate, isomeres and homologues
Comply with national regulations/laws governing maternity protection (national implementation of the Directive

Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC)

15.2 Chemical safety assessmentA chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

These details refer to the product as it is delivered. Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
STOT RE 2, H373	Classification according to calculation procedure.
Eye Irrit. 2, H319	Classification according to calculation procedure.
STOT SE 3, H335	Classification according to calculation procedure.
Skin Irrit. 2, H315	Classification according to calculation procedure.
Resp. Sens. 1, H334	Classification according to calculation procedure.
Skin Sens. 1, H317	Classification according to calculation procedure.
Carc. 2, H351	Classification according to calculation procedure.

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). H351 Suspected of causing cancer by inhalation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H339 H332 H371 di finhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation

H373 May cause damage to organs through prolonged or repeated exposure.

STOT RE — Specific target organ toxicity - repeated exposure
Eye Irrit. — Eye irritation
STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation
Skin Irrit. — Skin irritation

Resp. Sens. - Respiratory sensitization

Skin Sens. — Skin sensitization
Carc. — Carcinogenicity
Acute Tox. — Acute toxicity - 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

Guidelines on labelling and packaging according to the regulation (EG/HA).

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

German).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/64, (EU) 2019/163, each as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (=

European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOX Adsorbable organic halogen compounds

approx. approximately Art., Art. no.Article number

ASTM International (American Society for Testing and Materials)
Acute Toxicity Estimate

Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health

BAUM Burinesaristal of Arbeitsschutz of and Safety, Germany)
BCF Bioconcentration factor
BSEF The International Bromine Council BCF BSEF

bw body weight

CAS Chemical Abstracts Service CLP

Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, d packaging of substances and mixtures) carcinogenic, mutagenic, reproductive toxic Derived Minimum Effect Level labelling a CMR DMEL DNEL Derived No Effect Level

DOC Dissolved organic carbon

dw dry weight
e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass

(algae, plants)

European Community

ECHA European Chemicals Agency

= 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect European Economic Community European Inventory of Existing Commercial Chemical Substances European List of Notified Chemical Substances ECx, ELx (x EEC EINECS ELINCS

ΕN European Norms FPA

European Norms

United States Environmental Protection Agency (United States of America)

ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate ErCx, E μ Cx, ErLx (x = 10, 50)

(algae, plants) etc. et cetera

European Union EU EVAL Ethylene-vinyl alcohol copolymer

Fax number general Globally Harmonized System of Classification and Labelling of Chemicals

Fax. gen. GHS GWP Global warming potential Adsorption coefficient of organic carbon in the soil Koc Kow 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

incl. including, inclusive IUCLID International Uniform Chemical Information Database

IUPAC LC50 LD50 International Union for Pure Applied Chemistry
Lethal Concentration to 50 % of a test population
Lethal Dose to 50% of a test population (Median Lethal Dose)
Logarithm of adsorption coefficient of organic carbon in the soil

Log Koo Log Kow, Log Pow Log LQ Limited Quantities Logarithm of octanol-water partition coefficient

MARPOL International Convention for the Prevention of Marine Pollution from Ships not applicable not available n.av. n.c. not checked

n.d.a no data available National Institute for Occupational Safety and Health (USA) NIOSH

NLP NOEC, NOE OECD No-longer-Polymer

No Observed Effect Concentration/Level
Organisation for Economic Co-operation and Development

organic Occupational Safety and Health Administration (USA) org. OSHA PBT

persistent, bioaccumulative and toxic
Polyethylene
Predicted No Effect Concentration PF PNEC

ppm PVC parts per million Polyvinylchloride REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 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.

RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (=

Regulation concerning the International Carriage of Dangerous Goods by Rail)
SVHC Substances of Very High Concern
Tel. Telephone
TOC Total organic carbon

Tel. TOC UN RTDG

United Nations Recommendations on the Transport of Dangerous Goods

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

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

not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge

Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 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.