

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 19.10.2022 / 0011

Revision date / version: 0.1.2022 / 0011 Replacing version dated / version: 01.11.2021 / 0010 Valid from: 19.10.2022 PDF print date: 19.10.2022 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 Haige 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)

Olassiiication t	iccording to regulati	OH (EO) 12/2/2000 (OEI)
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

n.a. 3.2 Mixtures

3.2 Mixtures	
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 can do Oxides of carbon Oxides of nitrogen

Isocyanates

Hydrocyanic acid (hydrogen cyanide)

Toxic gases
Danger of bursting (explosion) when heated



GB Page 2 of 7

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 19.10.2022 / 0011
Replacing version dated / version: 01.11.2021 / 0010
Valid from: 19.10.2022
PDF print date: 19.10.2022

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 stand for a constant to the constant

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

(GB) Chemical Name	Diphenyln	nethanediisocyar	nate, isome	eres and homologue	es
TVEL-TWA: 0,02 mg/m3 (Is	ocyanates,	WEL-STEL:	0,07 mg/	m3 (Isocyanates,	
all (as -NCO))		all (as -NCO))		
Monitoring procedures:					
BMGV: 1 µmol isocyanate-	derived diamir	ne/mol creatinine	in urine	Other information	n: Sen
(At the end of the period of ex	posure)			(Isocyanates, all	(as -NCO))
GB Chemical Name				ntaining 1 % or more	of
_		vith aerodynamic		<= 10 μm)	
WEL-TWA: 10 mg/m3 (tota		WEL-STEL:			
dust), 4 mg/m3 (respirable du	st)				
Monitoring procedures:					
BMGV:				Other information	n:
(GB) Chemical Name	Calcium c				
WEL-TWA: 4 mg/m3 (respi		WEL-STEL:			
10 mg/m3 (total inhalable dus	it)				
Monitoring procedures:					
BMGV:				Other information	n:
(GB) Chemical Name	Silicon did				
WEL-TWA: 6 mg/m3 (total	nh. dust),	WEL-STEL:			
2,4 mg/m3 (resp. dust)					
Monitoring procedures:					
BMGV·				Other information	n:

Area of application	Exposure route /	Effect on	Descri	Valu	Unit	Note
	Environmental	health	ptor	e		
	compartment		F	-		
	Environment -		PNEC	1	mg/l	
	freshwater				٠ ا	
	Environment -		PNEC	0,1	mg/l	
	marine				ŭ	
	Environment -		PNEC	10	mg/l	
	water, sporadic				-	
	(intermittent) release					
	Environment -		PNEC	1	mg/l	
	sewage treatment					
	plant					
	Environment - soil		PNEC	1	mg/kg	
Consumer	Human - oral	Short term,	DNEL	20	mg/kg	
		local effects			bw/d	
Consumer	Human - inhalation	Short term,	DNEL	0,05	mg/m3	
		local effects				
Consumer	Human - inhalation	Short term,	DNEL	0,05	mg/m3	
		systemic effects				
Consumer	Human - inhalation	Long term,	DNEL	0,02	mg/m3	
		local effects		5		
Consumer	Human - inhalation	Long term,	DNEL	0,02	mg/m3	
		systemic effects		5		
Consumer	Human - dermal	Short term,	DNEL	17,2	mg/cm	
		local effects			2	
Consumer	Human - dermal	Short term,	DNEL	25	mg/kg	
		systemic effects			bw/d	
Workers /	Human - inhalation	Short term,	DNEL	0,1	mg/m3	
employees		local effects				
Workers /	Human - inhalation	Short term,	DNEL	0,1	mg/m3	
employees		systemic effects				
Workers /	Human - inhalation	Long term,	DNEL	0,05	mg/m3	
employees		local effects				
Workers /	Human - inhalation	Long term,	DNEL	0,05	mg/m3	
employees		systemic effects				
Workers /	Human - dermal	Short term,	DNEL	28,7	mg/cm	
employees		local effects			2	
Workers /	Human - dermal	Short term,	DNEL	50	mg/kg	
employees		systemic effects			bw/d	

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

Zeolites						
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	
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	



Page 3 of 7

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 19.10.2022 / 0011

Human - inhalation Long term,

Revision date / version: 19.1.0.202 / our 1 Replacing version dated / version: 01.11.2021 / 0010 Valid from: 19.10.2022 PDF print date: 19.10.2022 COSMO® PU-205.280 COSMO® PU-205.282 COSMO® PU-205.284

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

employees		local effects				
(GB) WEL-TWA = Work	kplace Exposure Limit - Lo	ng-term exposure lir	nit (8-hour 🛚	ΓWA (= ti	me weighte	d
average) reference per	riod) EH40. AGW = "Arbeit	tsplatzgrenzwert" (w	orkplace lim	it value,	Germany).	
(6) 1 1 1 1 1 ()	(D) () 00.47/4.04/EU 5		. (0)		/=:	

DNEL 3

mg/m3

averlage fleterence period) Errol. AGW = Antonispializate letzwert (workplace limit value, cerniarly).

(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 creatinine in urine (Directive 2004/37/CE), | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute extensions acrised). reference period).
(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU,

(s) = Innatable fraction (2017/104/EU, 2017/298/EU). (9) = Respirable fraction (2017/104/EU, 2017/298/EU). (10) = Respirable fraction (2017/104/EU), 2017/298/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. 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.

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 conditions.

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

Skin protection - Other:

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

Respiratory protection:

Normally not necessary.

If OES or MEL is exceeded.

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

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

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

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 pr

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Paste, liquid, (DIN ISO 2137) Physical state: Colour:

Colour.
Odour:
Melting point/freezing point:
Boiling point or initial boiling point and boiling range:
Flammability: Lower explosion limit

Upper explosion limit: Flash point: Auto-ignition temperature: Decomposition temperature:

Kinematic viscosity:

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

Vapour pressure: Density and/or relative density:

According to specification Characteristic

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

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

There is no information available on this parameter.

Mixture reacts with water. 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. Relative vapour density: Particle characteristics Does not apply to liquids

9.2 Other information

Product is not explosive.

There is no information available on this parameter. Oxidising liquids:

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 possible with

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. $T > \sim 260$ °C

10.5 Incompatible materials

See also section 7

Acids

Bases Amines Alcohols Water

10.6 Hazardous decomposition products

Diphenylmethanediisocyanate, isomeres and homologues

No decomposition when used as directed.

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 (classification). COSMO® PU-205.280

COSMO® PU-205.282 COSMO® PU-205.284

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

Ī	Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
	Acute toxicity, by oral						n.d.a.
ΙL	route:						
	Acute toxicity, by						n.d.a.
ΙL	dermal route:						
	Acute toxicity, by	ATE	>20	mg/l/			Vapours,
	inhalation:			4h			calculated
ΙĻ							value
	Skin						n.d.a.
ΙL	corrosion/irritation:						
	Serious eye						n.d.a.
ΙĻ	damage/irritation:						
	Respiratory or skin						n.d.a.
ΙĻ	sensitisation:						
	Germ cell						n.d.a.
ΙĻ	mutagenicity:						
ΙĻ	Carcinogenicity:						n.d.a.
ΙĻ	Reproductive toxicity:						n.d.a.
	Specific target organ						n.d.a.
	toxicity - single						
ΙL	exposure (STOT-SE):						
	Specific target organ						n.d.a.
	toxicity - repeated						
ΙĻ	exposure (STOT-RE):						
ΙĻ	Aspiration hazard:						n.d.a.
ΙL	Symptoms:						n.d.a.

Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes
	int			m		
Acute toxicity, by oral route:	LD50	>10000	mg/k	Rat	OECD 401 (Acute Oral	
route.			g		Toxicity)	
Acute toxicity, by	LD50	>9400	mg/k	Rabbit	OECD 402	
dermal route:			g		(Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	0,49	mg/l/ 4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol, Does not conform with EU classificatio n.
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio n)	Skin Irrit. 2
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosio n)	Mild irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Yes (skin contact)
Respiratory or skin sensitisation:				Rat	Ocholisation)	Yes (inhalation)
Germ cell				Salmonel	Regulation (EC)	Analogous
mutagenicity:				la typhimuri	440/2008 B.13/B.14	conclusion, Negative
				um	(REVERSE	ivegative
					MUTATION	
					TEST USING	
					BACTERIA)	



Fage 4 of 7
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 19.10.2022 / 0011
Replacing version dated / version: 01.11.2021 / 0010
Valid from: 19.10.2022
PDF print date: 19.10.2022
COSMO® PU-205.280
COSMO® PU-205.282
COSMO® PU-205.284

(COSMOFEN DUO - Härter)

(COSMOFEN DUO grau	- Härter)					
Germ cell mutagenicity:				Rat	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative, Analogous conclusion
Carcinogenicity:		1	mg/m 3	Rat	OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies)	Positive
Reproductive toxicity (Developmental toxicity):		4	mg/m 3	Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Negative
Reproductive toxicity (Effects on fertility):				Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Negative
Reproductive toxicity:	NOAE L	12	mg/m 3	Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Negative, Aerosol
Specific target organ toxicity - single exposure (STOT-SE):						Irritation of the respiratory tract
Specific target organ toxicity - repeated exposure (STOT-RE):	NOEC	0,2	mg/k g		OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies)	
Aspiration hazard:						No
Symptoms:						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.

Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes
A sort a tandala bor and	Int LD50	>5000		m Rat	OECD 425	
Acute toxicity, by oral route:	LD50	>5000	mg/k	Rat		
route:			g		(Acute Oral	
					Toxicity - Up-	
					and-Down	
Acute toxicity, by	LD50	>5000	mg/k	Rabbit	Procedure)	
dermal route:	LD50	>5000		Rabbit		
Acute toxicity, by	LC50	>6,8	g mg/l/	Rat		
inhalation:	1000	>0,0	4h	ivat		
Skin			711	Rabbit	OECD 404	Not irritar
corrosion/irritation:				rabbit	(Acute Dermal	1400 1111101
corrosion/irritation.					Irritation/Corrosio	
					n)	
Serious eye				Rabbit	OECD 405	Not irrita
damage/irritation:				rtabbit	(Acute Eye	Mechani
damago/iintation.					Irritation/Corrosio	irritation
					n)	possible.
Respiratory or skin				Mouse	OECD 429 (Skin	Not
sensitisation:					Sensitisation -	sensitizis
oonomoun.					Local Lymph	g
					Node Assay)	9
Respiratory or skin				Guinea	OECD 406 (Skin	No (skin
sensitisation:				pig	Sensitisation)	contact)
Germ cell				Mouse	OECD 474	Negative
mutagenicity:					(Mammalian	
					Erythrocyte	
					Micronucleus	
					Test)	
Germ cell				Mammali	OECD 473 (In	Negative
mutagenicity:				an	Vitro	
,					Mammalian	
					Chromosome	
					Aberration Test)	
Germ cell				Salmonel	(Ames-Test)	Negative
mutagenicity:				la		
				typhimuri		
				um		
Germ cell					OECD 476 (In	Negative
mutagenicity:					Vitro	
					Mammalian Cell	
					Gene Mutation	
					Test)	
Germ cell					OECD 471	Negative
mutagenicity:					(Bacterial	
			1		Reverse	
			1		Mutation Test)	

Reproductive toxicity				Rat	OECD 414	No
(Developmental toxicity):					(Prenatal Developmental Toxicity Study)	indications of such an effect.
Specific target organ toxicity - single exposure (STOT-SE):						Not irritant (respiratory tract).
Symptoms:						mucous 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	Value	Unit	Organis	Test method	Notes
Acute toxicity, by oral route:	int LD50	>2000	mg/k g	m Rat	OECD 420 (Acute Oral toxicity - Fixe	
Acute toxicity, by dermal route:	LD50	>2000	mg/k g	Rat	Dose Procedure) 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 n)	Not irritant
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph	No (skin contact)
Germ cell mutagenicity:					Node Assay) OECD 471 (Bacterial Reverse	Negative
Germ cell mutagenicity:					Mutation Test) OECD 473 (In Vitro Mammalian Chromosome	Negative
Germ cell mutagenicity:					Aberration Test) OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Carcinogenicity:					Testy	No indications of such an effect.
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)	0.000
Specific target organ toxicity - single exposure (STOT-SE):					- coloring real,	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 the Reproduction/De velopm. Tox.	No
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAE C	0,212	mg/l	Rat	Screening Test) OECD 413 (Subchronic Inhalation Toxicity - 90-Day Study)	
Silicon dioxide Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes
Acute toxicity, by oral route:	int LD50	>5000	mg/k g	Rat	OECD 423 (Acute Oral Toxicity - Acute	
Acute toxicity, by dermal route:	LD50	> 2000	mg/k g	Rat	Toxic Class Method) OECD 402 (Acute Dermal	
Skin corrosion/irritation:			3	Rabbit	Toxicity) OECD 404 (Acute Dermal Irritation/Corrosio	Not irritant
Serious eye			+	Rabbit	n) OECD 405	Not irritant

Rabbit

n) OECD 405

(Acute Eye Irritation/Corrosio

Serious eye damage/irritation:

Not irritant



Page 5 of 7 Safety data sheet according Revision date / version:	19.10.202	22 / 001	1		96, Annex II			12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB
Replacing version dated Valid from: 19.10.2022 PDF print date: 19.10.20 COSMO® PU-205.280 COSMO® PU-205.282		: 01.11.2	2021 / 00	110				12.1. Toxicity to fish:	LC50	96h	>10 00	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	substance
COSMOE PU-205.284 (COSMOFEN DUO - Härter) (COSMOFEN DUO grau - Härter)							12.1. Toxicity to daphnia:	NOEC/N OEL	21d	>= 10	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproductio		
Germ cell mutagenicity:	- Hartony					OECD 471 (Bacterial Reverse	Negative	12.1. Toxicity to daphnia:	EC50	24h	>10 00	mg/l	Daphnia magna	n Test) OECD 202 (Daphnia sp. Acute	
Aspiration hazard:						Mutation Test)	No							Immobilisati on Test)	
11.2. Information on other hazards COSMO® PU-205.280 COSMO® PU-205.282 COSMO® PU-205.284						12.2. Persistence and degradability:		28d	0	%	activated sludge	OECD 301 C (Ready Biodegradab ility - Modified	Not biodegrada ble		
(COSMOFEN DUO - Hä (COSMOFEN DUO gra	(COSMOFEN DUO - Härter) (COSMOFEN DUO grau - Härter)						12.3. Bioaccumulative potential:	BCF	42d	<14		Cyprinus caprio	MITI Test (I)) OECD 305 (Bioconcentr ation - Flow-	A notable biological accumulati	
Toxicity / effect Endocrine disrupting properties:	Endpo int	o Va	ilue	Unit	Organis m	Test method	Does not apply to	, , , , , , , , , , , , , , , , , , , ,						Through Fish Test)	on potential is not to be expected
Other information:							mixtures. No other								(LogPow 1
							relevant information available on adverse effects on	12.1. Toxicity to algae:	EC50	72h	>16 40	mg/l	Desmodesm us subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
	SECT	TION	12: E	cologi	cal infor	mation	health.	Toxicity to bacteria:	EC50	3h	>10 0	mg/l	activated sludge	OECD 209 (Activated Sludge,	
Possibly more information														Respiration Inhibition Test (Carbon	
COSMO® PU-205.282 COSMO® PU-205.284								Other organisms:	NOEC/N	14d	>10	mg/k	Eisenia	and Ammonium Oxidation)) OECD 207	
(COSMOFEN DUO - Hä (COSMOFEN DUO grau Toxicity / effect En		Tim e	Valu e	Unit	Organism	n Test method	Notes	, and the second	OEL		00	g	foetida	(Earthworm, Acute Toxicity	
12.1. Toxicity to fish:							n.d.a.	Other information:	BOD	28d	<10	%		Tests) OECD 302 C (Inherent	
12.1. Toxicity to daphnia: 12.1. Toxicity to algae:							n.d.a.	information.						Biodegradab ility - Modified MITI Test	
12.2. Persistence and degradability:							With water at the interface, transforms slowly with formation of CO2 into a firm, insoluble reaction product with a high melting point	Other information:						(11))	Does not contain any organically bound halogens which can contribute to the AOX value in waste water.
							(polycarba mide).	Titanium dioxide	(in powder fo	rm conta	aining 1 %	% or more	of particles with	aerodynamic d	iameter <= 10
							According to	μm) Toxicity / effect	Endpoin	Tim e	Valu e	Unit	Organism	Test method	Notes
							experience available to date, polycarbam ide is inert	12.1. Toxicity to fish:	LC50	96h	>10 0	mg/l	Oncorhynch us mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.3. Bioaccumulative							and non- degradable n.d.a.	12.1. Toxicity to daphnia:	LC50	48h	>10 0	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati on Test)	
potential: 12.4. Mobility in soil:							n.d.a.	12.1. Toxicity to algae:	EC50	72h	16	mg/l	Pseudokirch neriella subcapitata	U.S. EPA- 600/9-78- 018	
12.5. Results of PBT and vPvB assessment 12.6. Endocrine							n.d.a. Does not	12.2. Persistence and degradability:							Not relevant for inorganic substances
disrupting properties: 12.7. Other adverse effects:							apply to mixtures. No information	12.3. Bioaccumulative potential:	BCF	42d	9,6				Not to be expected
							available on other adverse effects on the	12.3. Bioaccumulative potential: 12.4. Mobility in	BCF	14d	19- 352				Oncorhync hus mykiss Negative
Other information:							environmen t. DOC- elimination	soil: 12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
							degree(co mplexing organic substance)	Toxicity to bacteria: Toxicity to	LC0	24h	>50 00 >10	mg/l mg/l	Escherichia coli Pseudomon		Sabatanee
							>= 80%/28d: No	bacteria: Toxicity to annelids:	NOEC/N OEL		>10 00	mg/k g	as fluorescens Eisenia foetida		
Diphenylmethanediiso Toxicity / effect Ei	cyanate, ndpoin	isomere Tim e	es and he		Organism	1 Test method	Notes	Water solubility:							°C
					1	mounou	-	Calcium carbonat	te						



GB) Page 6 of 7

Page 6 of 7
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 19.10.2022 / 0011
Replacing version dated / version: 01.11.2021 / 0010
Valid from: 19.10.2022
PDF print date: 19.10.2022
COSMO® PU-205.280 COSMO® PU-205 282 COSMO® PU-205.284

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

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 substance
12.3. Bioaccumulative potential: 12.4. Mobility in							Not to be expected n.a.
soil: 12.5. Results of PBT and vPvB assessment							No PBT substance No vPvB
Toxicity to bacteria:	EC50	3h	>10 00	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	substance
Toxicity to bacteria:	NOEC/N OEL	3h	100	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium	
Other organisms:	EC50	21d	>10 00	mg/k g dw		Oxidation)) OECD 208 (Terrestrial Plants, Growth Test)	Glycine max
Other organisms:	EC50	21d	>10 00	mg/k g dw		OECD 208 (Terrestrial Plants, Growth Test)	Lycopersi on esculentu
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)	Lycopersi on esculentu
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	mg/k	OECD 216
			00	g dw	(Soil
					Microorganis
					ms -
					Nitrogen
					Transformati
					on Test)
Other organisms:	NOEC/N	28d	100	mg/k	OECD 216
Guior Grganionio.	OEL		0	g dw	(Soil
	OLL		"	gun	Microorganis
					ms -
					Nitrogen
					Transformati
					on Test)
Water solubility:			0,01	g/l	OECD 105 20°C
			66		(Water
					Solubility)

Silicon dioxide	Silicon dioxide						
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

EC disposal code no.: The waste codes are recommendations based on the scheduled use of this product.

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 09 waste adhesives and sealants containing organic solvents or other hazardous substances
08 05 01 waste isocyanates
Recommendation:

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.

For contaminated packing material
Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

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

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

SECTION 14: Transport information

General statements
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): 14.4. Packing group: Classification code: Not applicable Not applicable Not applicable Not applicable LQ: 14.5. Environmental hazards: Tunnel restriction code:

Transport by sea (IMDG-code)

14.2. UN proper shipping name:
14.3. Transport hazard class(es): n.a. Not applicable 14.4. Packing group: Marine Pollutant: 14.5. Environmental hazards n.a Not applicable

14.5. Environmental nazaros:

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. Not applicable Not applicable

14.6. Special precautions for user
Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

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

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



Page 7 of 7

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 19.10.2022 / 0011

Revision date / version: 19.1.0.202 / our 1 Replacing version dated / version: 01.11.2021 / 0010 Valid from: 19.10.2022 PDF print date: 19.10.2022 COSMO® PU-205.280 COSMO® PU-205.282 COSMO® PU-205.284

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

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 assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

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.
H332 Harmful if inhaled.

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

Skin Int. — Skin Intation
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 (ECHA).

Safety data sheets for the constituent substances

ECHA Homepage - Information about chemicals. GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water

(Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU)

2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

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

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to

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

Advantage organic ratiogen compounds approximately Art., Art. no. Article number ASTM ASTM International (American Society for Testing and Materials) ACUE Toxicity Estimate

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and

Testing, Germany)

BAUA

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

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

BAuA Bundesan and Safety, Germany)

Bioconcentration factor BSEF The International Bromine Council

The International Bromine Council body weight Chemical Abstracts Service Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, dapackaging of substances and mixtures) carcinogenic, mutagenic, reproductive toxic bw CAS CLP

labelling ar CMR

DMEL Derived Minimum Effect Level DNEL Derived No Effect Level

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

(algae, plants)

EC European Community

ECHA European Chemicals Agency

ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100)

Effect Concentration/Level for x % effect

EEC EINECS

ELINCS

European Economic Community
European Economic Community
European Economic Community
European Inventory of Existing Commercial Chemical Substances
European List of Notified Chemical Substances
European Norms
United States Environmental Protection Agency (United States of America)
x. ErLx (x = 10, 50)

Effect Concentration/Level of x % on inhibition of the growth rate ELINGS European List of r EN European Norms EPA United States Env ErCx, EµCx, ErLx (x = 10, 50) (algae, plants)

etc. EU EVAL

et cetera
European Union
Ethylene-vinyl alcohol copolymer
Fax number

Fax.

gen. GHS general Globally Harmonized System of Classification and Labelling of Chemicals

GWP

Globally Harmonized System of Classification and Global warming potential Adsorption coefficient of organic carbon in the soil octanol-water partition coefficient International Agency for Research on Cancer International Air Transport Association International Bulk Chemical (Code) Koc Kow IARC

IATA IBC (Code) IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive
International Uniform Chemical Information Datab

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
Lethal Dose to 50% of a test population (Median Lethal Dose)
Logarithm of adsorption coefficient of organic carbon in the soil
og Pow Logarithm of octanol-water partition coefficient
Limited Quantities
International Convention for the Prevention of Marine Pollution from Ships
ont applicable Log Koc Log Kow, Lo LQ

MARPOL

n.a. not applicable not applicable not available not checked no data available n.av.

National Institute for Occupational Safety and Health (USA) NIOSH NLF

No-longer-Polymer

No Observed Effect Concentration/Level NOEC. NOEL OECD Organisation for Economic Co-operation and Development organic
Occupational Safety and Health Administration (USA)
persistent, bioaccumulative and toxic

org. OSHA PBT PΕ Polvethylene Predicted No Effect Concentration **PNEC**

PNEC Predicted No Effect Concentration
ppm parts per million
PVC Polyvinylchloride
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No
1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xvx-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 Reglement concernant le transport International ferroviaire de marchandises Dangereuses (=
Regulation concerning the International Carriage of Dangerous Goods by Rail)
SVHC Substances of Very High Concern

SVHC Substances of Very High Concern Telephone

Tel. TOC

Total organic carbon
United Nations Recommendations on the Transport of Dangerous Goods
Volatile organic compounds
very persistent and very bioaccumulative UN RTDG

VOC vPvB

wet weight

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. No responsibility.

These statements were made by: 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.