

GB Page 1 of 10 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 01.11.2021 / 0012 Replacing version dated / version: 27.07.2021 / 0011 Valid from: 01.11.2021 PDF print date: 01.11.2021 COSMO PU-160.120

(COSMOPUR 811)

# 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-160.120

# (COSMOPUR 811)

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture: Uses advised against: No information available at present.

**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 Classificati	on of the substance	or mixture
Classification a	according to Regulat	ion (EC) 1272/2008 (CLP)
Hazard class	Hazard category	Hazard statement
Acute Tox.	4	H332-Harmful if inhaled.
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.
STOT RE	2	H373-May cause damage to organs through
		prolonged or repeated exposure by
		inhalation (respiratory system).

2.2 Label elements

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



H332-Harmful if inhaled. 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. H373-May cause damage to organs through prolonged or repeated exposure by inhalation (respiratory system).

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 protection. 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+P351+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.

As from 24 August 2023 adequate training is required beto Dibutytin dilaurate Diphenylmethanediisocyanate, isomeres and homologues 4,4'-methylenediphenyl diisocyanate o.(p-isocyanatobenzyl)phenyl isocyanate 2,2'-methylenediphenyl diisocyanate

# 2.3 Other hazards

2.3 Other Iniziatios
2.3 Other Iniziatios
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 %).</p>
The mixture does not contain any vPbT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).</p>
The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).</p>

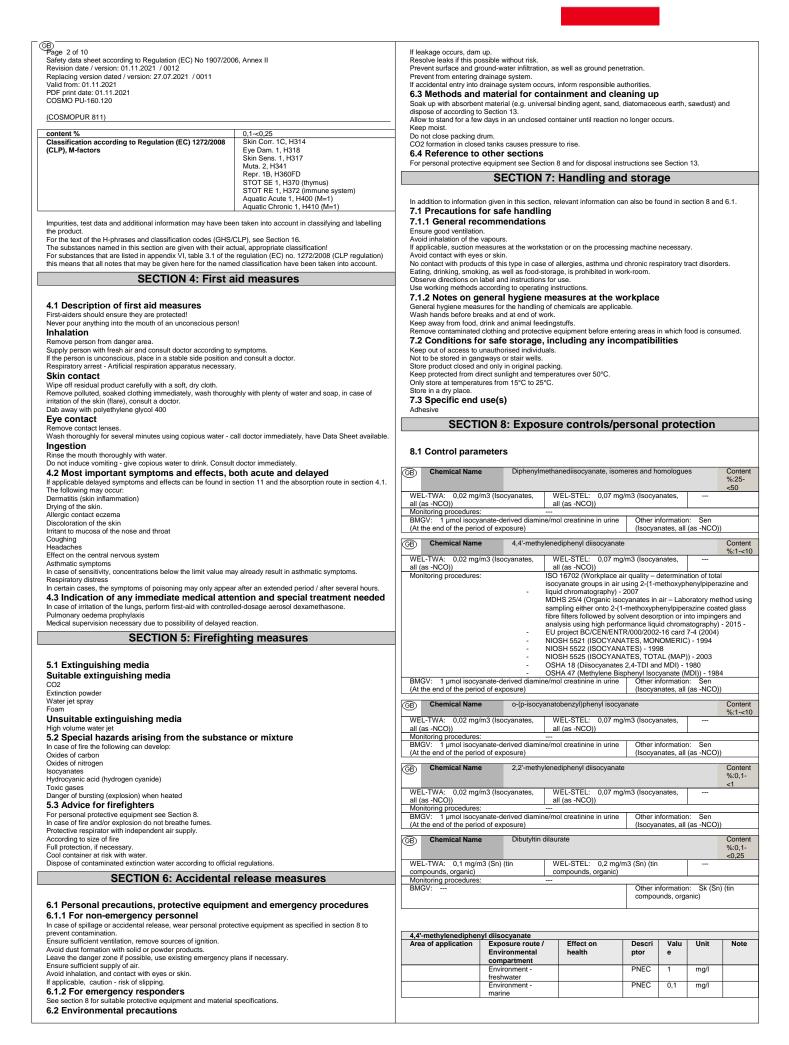
# **SECTION 3: Composition/information on ingredients**

#### 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 (respiratory system) (as inhalation)
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 % ATE (as inhalation): 1,5 mg/l/4h
	ATE (as initialation). 1,5 mg//40
Poly propylene glycol	
Registration number (REACH)	
EINECS, ELINCS, NLP, REACH-IT List-No. CAS	500-039-8 25322-69-4
content %	10-<25
Classification according to Regulation (EC) 1272/2008	Acute Tox. 4, H302
(CLP), M-factors	
Specific Concentration Limits and ATE	ATE (oral): 500,24 mg/kg
	ATE (oral): 500,24 mg/kg
4,4'-methylenediphenyl diisocyanate	
Registration number (REACH)	01-2119457014-47-XXXX
Index EINECS, ELINCS, NLP, REACH-IT List-No.	615-005-00-9 202-966-0
EINECS, ELINCS, NLP, REACH-II LIST-NO. CAS	101-68-8
content %	1-<10
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 (respiratory system) (as
Specific Concentration Limits and ATE	inhalation) Skin Irrit. 2, H315: >=5 %
opeonie obnechration Emilio and ATE	Eye Irrit. 2, H319: >=5 %
	Resp. Sens. 1, H334: >=0,1 %
	STOT SE 3, H335: >=5 %
	ATE (as inhalation, Aerosol): 1,5 mg/l/4h
o-(p-isocyanatobenzyl)phenyl isocyanate	ATE (as inhalation, Aerosol): 1,5 mg/l/4h
Registration number (REACH)	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX
Registration number (REACH) Index	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content %	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1<0 1<0 Acute Tox. 4, H332
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content %	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irrit. 2, H315
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1<0 1<0 Acute Tox. 4, H332
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irit. 2, H315 Eye Irit. 2, H315 Eye Irit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H334
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irit. 2, H315 Eye Irit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H314 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 (respiratory system) (as inhalation)
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irit. 2, H315 Eye Irit. 2, H315 Eye Irit. 2, H314 Stin S, H334 Stin S, H334 STOT RE 2, H373 (respiratory system) (as inhalation) Skin Irit. 2, H315: >=5 %
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT SE 2, H373 (respiratory system) (as inhalation) Skin Irrit. 2, H315: >=5 % Eye Irrit. 2, H319: >=5 %
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irit. 2, H315 Eye Irit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT RE 2, H373 (respiratory system) (as inhalation) Skin Irit. 2, H315: >=5 % Eye Irit. 2, H315: >=5 %
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT SE 2, H373 (respiratory system) (as inhalation) Skin Irrit. 2, H315: >=5 % Eye Irrit. 2, H319: >=5 %
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irit. 2, H315 Eye Irit. 2, H316 Eye Irit. 2, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 (respiratory system) (as inhalation) Skin Irit. 2, H315: >=5 % Eye Irit. 2, H316: >=5 % Eye Irit. 2, H334: >=0,1 % STOT SE 3, H334: >=0,1 % STOT SE 3, H335: >=5 %
Registration number (REACH)         Index         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irrit. 2, H316 Eye Irrit. 2, H317 Carc. 2, H351 STOT RE 2, H373 (respiratory system) (as inhalation) Skin Irrit. 2, H315: >=5 % Eye Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 % STOT RE 3, H335: >=5 % ATE (as inhalation, Aerosol): 1,5 mg/l/4h
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irit. 2, H315 Eye Irit. 2, H316 Eye Irit. 2, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 (respiratory system) (as inhalation) Skin Irit. 2, H315: >=5 % Eye Irit. 2, H316: >=5 % Eye Irit. 2, H334: >=0,1 % STOT SE 3, H334: >=0,1 % STOT SE 3, H335: >=5 %
Registration number (REACH)         Index         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT RE 2, H373 (respiratory system) (as inhalation) Skin Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 % STOT SE 3, H335: >=5 % ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119927323-43-XXXX 615-005-00-9 219-799-4
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Skin Sort. 2, H351           STOT RE 2, H335           STOT RE 2, H319: >=5 %           Eye Irit. 2, H319: >=5 %           Eye Irit. 2, H319: >=5 %           STOT RE 2, H335: >=0, 1 %           STOT SE 3, H335: >=0, 1 %           STOT SE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-799-4           2536-05-2
Registration number (REACH)         Index         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irrit. 2, H315           Eye Irrit. 2, H316           Strin Irrit. 2, H317           Carc. 2, H351           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irrit. 2, H315: >=5 %           Resp. Sens. 1, H334: >=0,1 %           STOT RE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-799-4           2536-05-2           0,1-<1
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Stor Start, 2, H373           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H315: >=5 %           Eye Irit. 2, H319: >=5 %           Resp. Sens. 1, H334: >=0,1 %           STOT SE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-799-4           2536-05-2           0,1-<1           Acute Tox. 4, H332           Skin Irit. 2, H315
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT RE 2, H373 (respiratory system) (as inhalation) Skin Irrit. 2, H315: >=5 % Resp. Sens. 1, H334: >=0,1 % STOT SE 3, H335: >=5 % ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119927323-43-XXXX 615-005-00-9 219-799-4 2536-05-2 0,1-<1 Acute Tox. 4, H332 Skin Irrit. 2, H316 Eye Irrit. 2, H316 Eye Irrit. 2, H316
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Skin STOT RE 2, H335           STOT RE 2, H318           STOT RE 2, H319           Resp. Sens. 1, H334           Stin Irit. 2, H315           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H315: >=5 %           Eye Irit. 2, H319: >=5 %           Resp. Sens. 1, H334: >=0.1 %           STOT SE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-799-4           2536-05-2           0,1-<1           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irrit. 2, H315 STOT K2, H373 STOT K2, H373 (respiratory system) (as inhalation) Skin Irrit. 2, H319: >=5 % Eye Irrit. 2, H319: >=5 % Eye Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 % STOT K2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 % STOT S2, 3, H335: >=5 % ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119927323-43-XXXX 615-005-00-9 219-799-4 205-02-2 0,1-<1 Acute Tox. 4, H332 Skin Irrit. 2, H319 Resp. Sens. 1, H317
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Skin STOT RE 2, H335           STOT RE 2, H318           STOT RE 2, H319           Resp. Sens. 1, H334           Stin Irit. 2, H315           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H315: >=5 %           Eye Irit. 2, H319: >=5 %           Resp. Sens. 1, H334: >=0.1 %           STOT SE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-799-4           2536-05-2           0,1-<1           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irit. 2, H319           Resp. Sens. 1, H334           Skin Irit. 2, H319           Resp. Sens. 1, H334           StrO TS E 3, H335           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H319: >=5 %           Resp. Sens. 1, H334: >=0,1 %           STOT SE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-799-4           22536-05-2           0,1-<1           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Skin Irit. 2, H315           Eye Irit. 2, H315           Eye Irit. 2, H315           Eye Irit. 2, H315           Strol TR E 2, H373 (respiratory system) (as STOT R E 2, H373 (respiratory system) (as STOT R E 2, H374
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         Index         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Skin Irit. 2, H315           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H315: >=5 %           Eye Irit. 2, H319: >=5 %           Resp. Sens. 1, H334: >=0.1 %           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H319: >=5 %           Eye Irit. 2, H319: >=5 %           STOT SE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-739-4           2536-05-2           0,1-<1           Acute Tox. 4, H332           Skin Irit. 2, H319           Resp. Sens. 1, H334, Skin Sens. 1, H334           Skin Sens. 1, H334           Stor Ses. 3, H335           STOT SE 3, H335           STOT
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008	ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119480143-45-XXXX 615-005-00-9 227-534-9 5873-54-1 1-<10 Acute Tox. 4, H332 Skin Irit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT RE 2, H373 (respiratory system) (as inhalation) Skin Irit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 % STOT SE 3, H335: >=5 % ATE (as inhalation, Aerosol): 1,5 mg/l/4h 01-2119927323-43-XXXX 615-005-00-9 219-799-4 2536-05-2 0,1-<1 Acute Tox. 4, H332 Skin Irit. 2, H315 Eye Irit. 2, H316 Eye Irit. 2, H316 Eye Irit. 2, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 (respiratory system) (as inhalation) Stor TS E 3, H335 STOT RE 2, H373 (respiratory system) (as inhalation) Skin Irit. 2, H315 STOT RE 2, H373 (respiratory system) (as inhalation) Skin Irit. 2, H315 >=5 %
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         Index         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Skin Irit. 2, H315           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H315: >=5 %           Eye Irit. 2, H319: >=5 %           Resp. Sens. 1, H334: >=0.1 %           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H319: >=5 %           Eye Irit. 2, H319: >=5 %           STOT SE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-739-4           2536-05-2           0,1-<1           Acute Tox. 4, H332           Skin Irit. 2, H319           Resp. Sens. 1, H334, Skin Sens. 1, H334           Skin Sens. 1, H334           Stor Ses. 3, H335           STOT SE 3, H335           STOT
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         Index         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox, 4, H332           Skin Irit, 2, H315           Eye Irit, 2, H319           Resp. Sens, 1, H334           Strop Exp. 1, H334           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit, 2, H315: >=5 %           Resp. Sens, 1, H334: >=0,1 %           STOT SE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-799-4           2536-05-2           0,1-<1           Acute Tox, 4, H332           Skin Irit, 2, H315           Eye Irit, 2, H319           Resp. Sens, 1, H334           StoT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit, 2, H315           Eye Irit, 2, H319           Resp. Sens, 1, H334           StoT TS E 3, H335           STOT SE 3, H335           STOT SE 4, H37 (respiratory syste
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         Index         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Stor RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H315: >=5 %           Eye Irit. 2, H318: >=5 %           Resp. Sens. 1, H334: >=0.1 %           STOT RE 2, H373 (respiratory system) (as inhalation)           01-2119927323-43-XXXX           615-005-00-9           219-799-4           2536-05-2           0,1-<1           Acute Tox. 4, H332           Skin Irit. 2, H319           Resp. Sens. 1, H334           Skin Sens. 1, H317           Carc. 2, H351           STOT SE 3, H335           STOT SE 3, H335           STOT SE 3, H335           Stor SE 3, H335           Stin Irit. 2, H319           Resp. Sens. 1, H334           Skin Irit. 2, H319           Sel H335           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H315: >=5 %           Eye Irit. 2, H315: >=5 %
Registration number (REACH)         Index         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox, 4, H332           Skin Irit, 2, H315           Eye Irit, 2, H319           Resp. Sens, 1, H334           Strop Exp. 1, H334           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit, 2, H315: >=5 %           Resp. Sens, 1, H334: >=0,1 %           STOT SE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-799-4           2536-05-2           0,1-<1           Acute Tox, 4, H332           Skin Irit, 2, H315           Eye Irit, 2, H319           Resp. Sens, 1, H334           StoT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit, 2, H315           Eye Irit, 2, H319           Resp. Sens, 1, H334           StoT TS E 3, H335           STOT SE 3, H335           STOT SE 4, H37 (respiratory syste
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2.2*-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         Specific Concentration Limits and ATE         Dibutyltin dilaurate         Registration number (REACH)	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Skin Irit. 2, H315           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H315: >=5 %           Eye Irit. 2, H318: >=0.1 %           STOT RE 2, H373 (respiratory system) (as inhalation)           Stin Irit. 2, H318: >=5 %           Resp. Sens. 1, H334: >=0.1 %           STOT SE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-799-4           2536-05-2           0,1-41           Acute Tox. 4, H332           Skin Irit. 2, H319           Resp. Sens. 1, H334           Stin Sens. 1, H317           Carc. 2, H351           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H319: >=5 %           Resp. Sens. 1, H334           Skin Sens. 1, H334           Skin Irit. 2, H315: >=5 %           Eye Irit. 2, H319: >=5 %
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2,2'-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         Specific Concentration Limits and ATE         Dibutyltin dilaurate         Registration number (REACH)         Index	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Strop Strop Strop Strop Strop System) (as inhalation)           Skin Irit. 2, H315: >=5 %           Resp. Sens. 1, H334: >=0,1 %           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H315: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-799-4           2536-05-2           0,1-41           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H315           Eye Irit. 2, H314           Stor TR E, 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H315           Eye Irit. 2, H316           Eye Irit. 2, H317           Carc. 2, H331           STOT TS E 3, H335           STOT S
Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         2.2*-methylenediphenyl diisocyanate         Registration number (REACH)         Index         EINECS, ELINCS, NLP, REACH-IT List-No.         CAS         content %         Classification according to Regulation (EC) 1272/2008 (CLP), M-factors         Specific Concentration Limits and ATE         Specific Concentration Limits and ATE         Dibutyltin dilaurate         Registration number (REACH)	ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119480143-45-XXXX           615-005-00-9           227-534-9           5873-54-1           1-<10           Acute Tox. 4, H332           Skin Irit. 2, H315           Eye Irit. 2, H319           Resp. Sens. 1, H334           Skin Irit. 2, H315           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H315: >=5 %           Eye Irit. 2, H318: >=0.1 %           STOT RE 2, H373 (respiratory system) (as inhalation)           Stin Irit. 2, H318: >=5 %           Resp. Sens. 1, H334: >=0.1 %           STOT SE 3, H335: >=5 %           ATE (as inhalation, Aerosol): 1,5 mg/l/4h           01-2119927323-43-XXXX           615-005-00-9           219-799-4           2536-05-2           0,1-41           Acute Tox. 4, H332           Skin Irit. 2, H319           Resp. Sens. 1, H334           Stin Sens. 1, H317           Carc. 2, H351           STOT RE 2, H373 (respiratory system) (as inhalation)           Skin Irit. 2, H319: >=5 %           Resp. Sens. 1, H334           Skin Sens. 1, H334           Skin Irit. 2, H315: >=5 %           Eye Irit. 2, H319: >=5 %







Long term,

local effects Short term,

DNEL

DNEL

0,02

28,7

mg/m3

Human - inhalation

			x II				Vorkers / employee Workers / employee Workers /
(COSMOPUR 811)							employee Workers /
	Environment - sewage treatment		PNEC	1	mg/l		employee Workers / employee
	plant Environment - soil		PNEC	1	mg/kg		Workers / employee
	Environment - sporadic		PNEC	10	dw mg/l		Dibutyltir
Consumer	(intermittent) release Human - oral	Short term,	DNEL	20	mg/kg		Area of a
Consumer	Human - dermal	systemic effects Short term, local effects	DNEL	17,2	bw/day mg/cm 2		-
Consumer	Human - dermal	Short term,	DNEL	25	mg/kg		1
Consumer	Human - inhalation	systemic effects Short term,	DNEL	0,05	bw/day mg/m3		-
Consumer	Human - inhalation	local effects Short term,	DNEL	0,05	mg/m3		1
Consumer	Human - inhalation	systemic effects Long term,	DNEL	0,02	mg/m3		
Consumer	Human - inhalation	local effects Long term,	DNEL	5 0,02	mg/m3		-
Workers /	Human - dermal	systemic effects Short term,	DNEL	5 28,7	mg/cm		Consume
employees Workers /	Human - dermal	local effects Short term,	DNEL	50	2 mg/kg		-
employees Workers /	Human - inhalation	systemic effects Short term,	DNEL	0,1	bw/day mg/m3		Consume
employees Workers /	Human - inhalation	local effects Short term,	DNEL	0,1	mg/m3		
employees		systemic effects			-		Consume
	Human - inhalation	Long term,	DNEL	0,05	mg/m3		
Workers / employees		local effects					4 1
	Human - inhalation	local effects Long term, systemic effects	DNEL	0,05	mg/m3		Consume
employees Workers /	Human - inhalation	Long term,	DNEL	0,05	mg/m3		Consume
employees Workers / employees	Human - inhalation yl)phenyl isocyanate Exposure route / Environmental	Long term,	DNEL Descri ptor	0,05 Valu e	mg/m3	Note	Consume Consume Consume
employees Workers / employees o-(p-isocyanatobenz	yl)phenyl isocyanate Exposure route / Environmental compartment	Long term, systemic effects Effect on	Descri ptor	Valu	Unit	Note	Consume
employees Workers / employees o-(p-isocyanatobenz	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater	Long term, systemic effects Effect on	Descri ptor PNEC	Valu e 1	Unit mg/l	Note	Consume
employees Workers / employees o-(p-isocyanatobenz	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - marine	Long term, systemic effects Effect on	Descri ptor PNEC PNEC	<b>Valu</b> e 1 0,1	Unit mg/l mg/l	Note	Consume Consume Workers /
employees Workers / employees o-(p-isocyanatobenz	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - sewage treatment	Long term, systemic effects Effect on	Descri ptor PNEC	Valu e 1	Unit mg/l	Note	Consume Consume Workers / employee
employees Workers / employees o-(p-isocyanatobenz	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment -	Long term, systemic effects Effect on	Descri ptor PNEC PNEC	<b>Valu</b> e 1 0,1	Unit mg/l mg/l mg/kg	Note	Consume Consume Workers / employee
employees Workers / employees o-(p-isocyanatobenz	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - sewage treatment plant Environment - soil Environment -	Long term, systemic effects Effect on	Descri ptor PNEC PNEC PNEC	Valu e 1 0,1 1	Unit mg/l mg/l mg/l	Note	Consume Consume Workers / employee Workers / employee Workers /
employees Workers / employees o-(p-isocyanatobenz	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - sewage treatment plant Environment - soil	Long term, systemic effects Effect on	Descri ptor PNEC PNEC PNEC PNEC PNEC	Valu           e           1           0,1           1           1           1           10	Unit mg/l mg/l mg/kg dw mg/l	Note	Consume Consume Workers / employee Workers / employee Workers /
employees Workers / employees o-(p-isocyanatobenz	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - sewage treatment plant Environment - soil Environment - soil Environment - soil	Long term, systemic effects Effect on	Descri ptor PNEC PNEC PNEC PNEC	Valu           e           1           0,1           1           1	Unit mg/l mg/l mg/kg dw mg/kg mg/kg	Note	Consume Consume Workers / employee Workers / employee Workers / employee
employees Workers / employees -(p-isocyanatobenz Area of application	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - sewage treatment plant Environment - soil Environment - soil Environment - sporadic (intermittent) release	Long term, systemic effects Effect on health Short term, systemic effects Short term,	Descri ptor PNEC PNEC PNEC PNEC PNEC	Valu           e           1           0,1           1           1           1           10	Unit mg/l mg/l mg/kg dw mg/l mg/kg bw/day mg/cm	Note	Consume Consume Workers / employee Workers / employee Workers / employee
employees Workers / employees -(p-isocyanatobenz Area of application	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - sewage treatment plant Environment - sporadic (intermittent) release Human - oral	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term,	Descri ptor PNEC PNEC PNEC PNEC PNEC DNEL	Valu           e           1           0,1           1           1           10           20	Unit mg/l mg/l mg/kg dw mg/kg bw/day mg/cm mg/kg pw/day mg/cm	Note	Consume Consume Workers / employee Workers / employee Workers / employee Workers / employee
employees Workers / employees o-(p-isocyanatobenz Area of application	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - sewage treatment plant Environment - sol Environment - soil Environment - soil Environment - soil Environment - soil Human - oral Human - dermal	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term, systemic effects Short term,	Descri ptor PNEC PNEC PNEC PNEC PNEC DNEL DNEL	Valu e 1 0,1 1 1 10 20 17,2	Unit mg/l mg/l mg/l mg/kg dw mg/kg bw/day mg/kg bw/day	Note	Consume Consume Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee
employees Workers / o-(p-isocyanatobenz Area of application Consumer Consumer Consumer	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - sewage treatment plant Environment - soil Environment - soil Environment - soil Environment - soil Environment - soil Hurman - dermal Hurman - dermal	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term, local effects Short term, local effects Short term,	Descri ptor PNEC PNEC PNEC PNEC PNEC DNEL DNEL DNEL	Value           1           0,1           1           1           10           20           17,2           25	Unit mg/l mg/l mg/l mg/kg dw mg/r mg/kg bw/day mg/kg bw/day	Note	Consume Consume Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee (38) WEL- Xerrage) (8) = Inha 2017/164, fraction. F Directive,
employees workers / employees o-(p-isocyanatobenz Area of application Consumer Consumer Consumer Consumer Consumer	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - sewage treatment plant Environment - soil Environment - soil Environment - soil Environment - soil Human - oral Human - dermal Human - dermal Human - inhalation	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term, local effects Short term, systemic effects Short term, systemic effects Short term, systemic effects Long term,	Descri ptor PNEC PNEC PNEC PNEC PNEC DNEL DNEL DNEL DNEL	Value           1           0,1           1           1           10           20           17,2           25           0,05           0,05           0,02	Unit mg/l mg/l mg/l mg/kg bw/day mg/kg bw/d mg/kg bw/d mg/kg	Note	Consume Consume Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee
employees Workers / employees -(p-isocyanatobenz Area of application Consumer Consumer Consumer Consumer Consumer	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - sewage treatment plant Environment - sovage treatment plant Environment - soli Environment - soli Environment - soli Human - oral Human - dermal Human - inhalation Human - inhalation	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term, local effects Short term, systemic effects Long term, local effects Long term, Long term,	Descri ptor PNEC PNEC PNEC PNEC PNEC PNEC DNEL DNEL DNEL DNEL DNEL	Value           1           0,1           1           1           1           20           17,2           25           0,05           0,05           0,02	Unit mg/l mg/l mg/kg dw mg/kg bw/day mg/kg bw/day mg/cm 2 mg/kg bw/day mg/kg bw/day mg/kg bw/day mg/m3	Note	Consume Consume Consume Workers / employee Workers / employee Workers / employee Workers / employee (employee) (8) = Inha 2017/164, fraction. F Directive, (Directive, reference (8) = Inha 2017/239;
employees Workers / employees -(p-isocyanatobenz Area of application Consumer Consumer Consumer Consumer Consumer Consumer Consumer	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - sewage treatment plant Environment - sopradic (intermittent) release Human - oral Human - dermal Human - dermal Human - inhalation Human - inhalation	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term, local effects Short term, local effects Long term, local effects Long term, local effects Long term, Systemic effects Short term, Short term, Systemic effects Long term, local effect Long term, lo	Descri ptor PNEC PNEC PNEC PNEC PNEC DNEL DNEL DNEL DNEL DNEL DNEL	Valu e 1 0,1 1 1 10 20 17,2 25 0,05 0,05 0,05 0,02 5	Unit mg/l mg/l mg/kg dw mg/kg bw/day mg/kg bw/day mg/m3 mg/m3	Note	Consume Consume Consume Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee (B) WEL- Werage) (B) = Inha 2017/164, fraction. F Directive, reference (8) = Inha 2017/239, (2017/164, (b)iologica
employees Workers / employees -(p-isocyanatobenz Area of application Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - sewage treatment plant Environment - sorradic (intermittent) release Human - oral Human - dermal Human - dermal Human - inhalation Human - inhalation Human - inhalation	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term, local effects Short term, local effects Long term, local effects Long term, systemic effects	Descri ptor PNEC PNEC PNEC PNEC PNEC DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	Valu e 1 0,1 1 1 1 1 20 17,2 25 0,05 0,05 0,05 0,02 5 0,02 5	Unit mg/l mg/l mg/l mg/kg dw mg/kg bw/day mg/cm 2 mg/kg bw/day mg/m3 mg/m3 mg/m3	Note	Consume Consume Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee Workers / employee (0) B) WEL- average) (0) B) WEL- average) (0) B) Enha 2017/164, fraction. F Directive (8) = Inha
employees workers / o-(p-isocyanatobenz Area of application Consumer Co	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - sewage treatment plant Environment - soil Environment - soil Human - soil Human - oral Human - dermal Human - inhalation Human - inhalation Human - dermal Human - dermal Human - dermal	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term, systemic effects Short term, local effects Long term, local effects Long term, systemic effects Long term, systemic effects Short term, systemic effects Long term, systemic effects Long term, systemic effects Long term, systemic effects Short term, systemic effects Short term, systemic effects Short term,	Descri ptor PNEC PNEC PNEC PNEC PNEC DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	Value           1           0,1           1           1           10           20           17,2           25           0,05           0,05           0,02           5           28,7	Unit mg/l mg/l mg/l mg/l mg/kg dw mg/m mg/kg bw/d mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/kg bw/d mg/cm 2	Note	Consume Consume Consume Workers / employee Workers / employee Workers / employee Workers / employee (0) = Inha 2017/164 (biologica Can be al ** = The 6 the goal c
employees workers / employees o-(p-isocyanatobenz Area of application Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Workers / employees Workers / employees	yl)phenyl isocyanate Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - sewage treatment plant Environment - soil Environment - soil Environment - soil Environment - soil Environment - soil Environment - soil Environment - soil Human - soil Human - oral Human - dermal Human - inhalation Human - inhalation Human - dermal Human - dermal Human - dermal Human - dermal Human - dermal	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term, local effects Short term, local effects Long term, local effects Long term, systemic effects Long term, systemic effects Short term, S	Descri ptor PNEC PNEC PNEC PNEC PNEC DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	Value           1           0,1           1           1           1           10           20           17,2           25           0,05           0,05           0,02           50           28,7           0,1	Unit mg/l mg/l mg/l mg/kg dw mg/kg bw/day mg/kg bw/d mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/kg bw/d mg/cm 2 mg/kg	Note	Consume Consume employee Workers / employee Workers / employee Workers / employee Workers / employee (8) = Inha 2017/164, fraction. F Directive, (0) = Inha 2017/164, fraction. F Directive, (0) = Inha 2017/164, fraction. F Directive, (1) oilogica Can be al ** = The 6 the goal 0 (13) = The
employees Workers / employees -(p-isocyanatobenz Area of application Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Workers / employees Workers / employees Workers / employees	(I)phenyl isocyanate     Exposure route /     Environmental     compartment     Environment -     freshwater     Environment -     freshwater     Environment -     sewage treatment     plant     Environment -     soradic     (intermittent) release     Human - oral     Human - dermal     Human - inhalation     Human - inhalation     Human - dermal     Human - dermal     Human - inhalation     Human - dermal     Human - dermal     Human - inhalation     Human - dermal     Human - dermal     Human - inhalation     Human - dermal     Human - dermal     Human - inhalation     Human - dermal     Human - inhalation     Human - inhalation	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term, local effects Short term, local effects Long term, local effects Long term, local effects Short term, systemic effects Short term, systemic effects Short term, local	Descri ptor PNEC PNEC PNEC PNEC PNEC DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	Value           1           0,1           1           1           1           10           20           17,2           25           0,05           0,05           0,05           0,02           5           28,7           0,1           0,1	Unit mg/l mg/l mg/l mg/kg dw mg/kg bw/day mg/kg bw/d mg/mg/kg bw/d mg/m3 mg/m3 mg/kg bw/d mg/m3 mg/kg bw/d mg/m3 mg/kg bw/d mg/m3	Note	Consume Consume Workers / employee Workers / employee (8) = Inha 2017/164, fraction. F Directive, (biologica Can be at ** = The et to goal o (13) = The (14) = The <b>8.2 Exp</b>
employees Workers / employees O-(p-isocyanatobenz Area of application Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Workers / employees Workers / emplo	(I)phenyl isocyanate     Exposure route /     Environmental     compartment     Environment -     freshwater     Environment -     freshwater     Environment -     sewage treatment     plant     Environment -     soli     Environment -     solid     Environment -     solid	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term, local effects Short term, local effects Short term, local effects Short term, systemic effects Short term, local effects Short term, systemic effects Short term, local effects Short term, systemic effects	Descri ptor PNEC PNEC PNEC PNEC DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	Value           1           0,1           1           1           1           20           17,2           25           0,05           0,05           0,02           5           50           28,7           0,1           0,05	Unit mg/l mg/l mg/l mg/kg dw mg/kg bw/day mg/cm 2 mg/kg bw/day mg/cm 3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3	Note	Consume Consume Workers / employee Workers / employee (8) = Inha 2017/164, fraction. F Directive, (biologica Can be at ** = The et to goal o (13) = The (14) = The <b>8.2 Exp</b>
employees workers / enployees Area of application Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Workers / employees Workers /	(I)phenyl isocyanate     Exposure route /     Environmental     compartment     Environment -     freshwater     Environment -     freshwater     Environment -     sewage treatment     plant     Environment -     soradic     (intermittent) release     Human - oral     Human - dermal     Human - inhalation     Human - inhalation     Human - dermal     Human - dermal     Human - inhalation     Human - dermal     Human - dermal     Human - inhalation     Human - dermal     Human - dermal     Human - inhalation     Human - dermal     Human - dermal     Human - inhalation     Human - dermal     Human - inhalation     Human - inhalation	Long term, systemic effects Effect on health Short term, systemic effects Short term, local effects Short term, local effects Short term, local effects Long term, systemic effects Long term, systemic effects Short term, systemic effects Short term, systemic effects Short term, systemic effects Long term, local effects Long term, systemic effects Short term, systemic effects Short term, local effects Short term, local effects Short term, local effects Long term, local effects Short term, local effects Long term, local effects Long term, local effects Long term,	Descri ptor PNEC PNEC PNEC PNEC PNEC DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	Value           1           0,1           1           1           1           10           20           17,2           25           0,05           0,05           0,05           0,02           5           28,7           0,1           0,1	Unit mg/l mg/l mg/l mg/kg dw mg/kg bw/day mg/kg bw/d mg/mg/kg bw/d mg/m3 mg/m3 mg/kg bw/d mg/m3 mg/kg bw/d mg/m3 mg/kg bw/d mg/m3	Note	Consume Consume Consume Workers / employee Workers / employee Construction (8) = Inha 2017/164 (biologica Can be at

Area of application	Exposure route / Environmental compartment	Effect on health	Descri ptor	Valu e	Unit	Note
	Environment - freshwater		PNEC	1	mg/l	
	Environment - marine		PNEC	0,1	mg/l	
	Environment - sewage treatment plant		PNEC	1	mg/l	
	Environment - soil		PNEC	1	mg/kg dw	
	Environment - water, sporadic (intermittent) release		PNEC	10	mg/l	
Consumer	Human - oral	Short term, systemic effects	DNEL	20	mg/kg bw/d	
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	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	0,05	mg/m3	
Consumer	Human - inhalation	Short term, local effects	DNEL	0,05	mg/m3	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	0,02 5	mg/m3	

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	
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	51151	0.05		
Workers /	Human - inhalation	Long term,	DNEL	0,05	mg/m3	
employees Workers /	Human - inhalation	systemic effects Long term.	DNEL	0.05	ma m/ma 2	
employees	Human - Innaiation	local effects	DINEL	0,05	mg/m3	
empioyees		IOCAI EIIECIS				
Dibutyltin dilaurate						
Area of application	Exposure route /	Effect on	Descri	Valu	Unit	Note
· · · · · · · · · · · · · · · · · · ·	Environmental	health	ptor	e		
	compartment					
	Environment -		PNEC	0,05	mg/kg	
	sediment, freshwater				wet	
					weight	
	Environment -		PNEC	0,00	mg/l	
	freshwater			046	-	
				3		
	Environment -		PNEC	0,00	mg/l	
	marine			004		
				6		
	Environment -		PNEC	0,00	mg/kg	
	sediment, marine			5	wet	
					weight	
Consumer	Human - dermal	Short term,	DNEL	0,5	mg/kg	
		systemic effects			body	
					weight/	
Consumer	Human - inhalation	Short term.	DNEL	0.02	day mg/m3	
Consumer	Human - Innaiation	systemic effects	DINEL	0,02	mg/ma	
Consumer	Human - oral	Short term,	DNEL	0,01	mg/kg	
Consumer	ridinari - orai	systemic effects	DINEL	0,01	body	
		Systemic cricets			weight/	
					day	
Consumer	Human - dermal	Long term,	DNEL	0,08	mg/kg	
		systemic effects		-,	body	
		-,			weight/	
					day	
Consumer	Human - inhalation	Long term,	DNEL	0,00	mg/m3	
		systemic effects		3	-	
Consumer	Human - oral	Long term,	DNEL	0,00	mg/kg	
		systemic effects		2	body	
					weight/	
					day	
Workers /	Human - dermal	Short term,	DNEL	1	mg/kg	
employees		systemic effects			body	
					weight/	
		0	DUE	0.07	day	
Workers /	Human - inhalation	Short term,	DNEL	0,07	mg/m3	
employees	Liver a draw of	systemic effects	DNEL	0.0		
Workers /	Human - dermal	Long term,	DNEL	0,2	mg/kg	
employees		systemic effects			body	
					weight/	
Workers /	Human - inhalation	Long term,	DNEL	0,01	day mg/m3	
employees	i iuilian - iiiliaiail0n	systemic effects	DINEL	0,01	iiig/iii3	
employees	1	aysternic enects				

EL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted e) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). halable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive Ad/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable a. Respirable fraction in those Member States that implement, on the date of the entry into force of this (a biomonitoring system with a biological limit value not exceeding 0,002 mg Cdy creatinine in urine ve 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute ce period). halable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU,

natable fraction (2017/164/EU), (9) = Kespirable fraction (2017/164/EU), B98/EU), (10) = Short-term exposure limit value in relation to a reference period of 1 minute (64/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" cal limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage. e exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with 1 of revision.

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

### cposure controls

#### Appropriate engineering controls

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

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

exposure to chemical and biological agents".

# 8.2.2 Individual protection measures, such as personal protective equipment General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Skin protection - Hand protection:

Chemical resistant protective gloves (EN ISO 374). Recommended

Protective 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



inhalation:		41			value, Vapours							
Acute toxicity, by dermal route: Acute toxicity, by	ATE 1		g/l/		n.d.a.						n)	
Toxicity / effect Acute toxicity, by oral route:	int		nit Organis m g/k	Test method	Notes calculated value	Serious eye damage/irritation:				Rabbit	Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio	Not irritan
COSMO PU-160.120 (COSMOPUR 811)										Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio	Not irritan
Possibly more informati	1.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 assibly more information on health effects, see Section 2.1 (classification).						LD50	>3000	mg/k g	Rabbit	OECD 402 (Acute Dermal Toxicity)	Analogou: conclusior
						Acute toxicity, by oral route: Acute toxicity, by	LD50	>500 - <2000	mg/k g	Rat		
			ological inf	ormation		Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
See also section 5.2 No decomposition when	•	•	-			Poly propylene glycol		Meler	11-11	0	Test with	Nete
Water 10.6 Hazardous d	lecompositio	on products	5			inhalat.:						system, Positive
Amines Alcohols						toxicity - repeated exposure (STOT-RE),						organ(s): respirator
Acids Bases						Specific target organ						irritation. Target
10.5 Incompatible See also section 7.	e materials											May caus respirator
Polymerisation due to h T > $\sim 260^{\circ}$ C	igh heat is possit	ole.				exposure (STOT-SE), inhalative:						respirator system,
See also section 7. Protect from humidity.						Specific target organ toxicity - single						Target organ(s):
Pressure increase will r 10.4 Conditions t		r bursting.				Aspiration hazard:					enicity Studies)	Negative
Carbon dioxide CO2 formation in closed						exposure (STOT-RE):					Combined Chronic Toxicity/Carcinog	conclusio
Water Developement of:						Specific target organ toxicity - repeated	NOAE	0,2		Rat	enicity Studies) OECD 453 (Combined	Aerosol, Analogou:
Bases Acids						exposure (STOT-RE):					Chronic Toxicity/Carcinog	conclusior
Alcohols Amines						Specific target organ toxicity - repeated	LOAE L	1		Rat	OECD 453 (Combined	Aerosol, Analogou:
10.3 Possibility o Exothermic reaction pos	f hazardous					One silis to see		4		Det	Developmental Toxicity Study)	A
10.2 Chemical sta Stable with proper stora	ige and handling.					Reproductive toxicity:	NOAE L	4	mg/m 3	Rat	OECD 414 (Prenatal	Aerosol, Negative
10.1 Reactivity reacts with water											enicity Studies)	carcinoge c effect.
10.1 Departurity											Chronic Toxicity/Carcinog	evidence of a
	SECTION	I 10: Stab	oility and re	activity		Carcinogenicity:				Rat	OECD 453 (Combined	Aerosol, Limited
Explosives: Oxidising liquids:			No	APIUSIVE.						typhimuri um	Reverse Mutation Test)	
9.2 Other informa Explosives:			Product is not explosive.			Germ cell mutagenicity:				Salmonel la	OECD 471 (Bacterial	Negative
Relative vapour density Particle characteristics:	:			mation available on th	his parameter.						Micronucleus Test)	
Vapour pressure: Density and/or relative of				rmation available on th	his parameter.	mutagenicity:					(Mammalian Erythrocyte	Analogou: conclusior
Solubility: Partition coefficient n-or	ctanol/water (log	value):	Not miscible Does not apply t			sensitisation: Germ cell				Rat	OECD 474	(inhalation Negative,
pH: Kinematic viscosity:	-		Mixture reacts w			sensitisation: Respiratory or skin				pig Rat	Sensitisation)	contact) Yes
Auto-ignition temperatu Decomposition temperat			n.a.	rmation available on th	his parameter.	Respiratory or skin				Guinea	Node Assay) OECD 406 (Skin	conclusion No (skin
Upper explosion limit: Flash point:				mation available on th		sensitisation:					Sensitisation - Local Lymph	contact), Analogous
Flammability: Lower explosion limit:	ming point and DC	ange:	Combustible.	mation available on tr		Respiratory or skin	-			Mouse	OECD 429 (Skin	n. Yes (skin
Odour: Melting point/freezing p Boiling point or initial bo		oiling range:		mation available on th mation available on th								with EU classificat
Physical state: Colour:			Liquid Brown								Irritation/Corrosio n)	conclusior Does not conform
9.1 Information o	n basic phys	ical and ch		rties		Serious eye damage/irritation:				Rabbit	ÓECD 405 (Acute Eye	Not irritan Analogou
SEC	CTION 9: P		concertor miniation.					Irritation/Corrosio n)				
No information available	e at present.					inhalation: Skin corrosion/irritation:			4h	Rabbit	OECD 404 (Acute Dermal	judgemen Skin Irrit.
and must be observed. 8.2.3 Environmen	tal exposure	controle				Acute toxicity, by	ATE	1,5	mg/l/			n. Expert
before use. The exact breakthrough	n time of the glove	e material can l	be requested from	the protective glove m	nanufacturer							with EU classificat
varies from manufacture In the case of mixtures,	er to manufacture	er.				inhalation:			4h		(Acute Inhalation Toxicity)	Does not conform
degradation into accour Selection of a suitable of	nt. glove depends no	t only on the m	-			Acute toxicity, by	LC50	0,31	9 mg/l/	Rat	Toxicity) OECD 403	Aerosol,
Selection of materials d Final selection of glove	lerived from glove			nes, permeation rates	and	Acute toxicity, by dermal route:	LD50	>5000	mg/k g	Rabbit	Toxicity) OECD 402 (Acute Dermal	
Additional information of In the case of mixtures, information about the co	the selection has				the	Acute toxicity, by oral route:	LD50	>5000	mg/k g	Rat	OECD 401 (Acute Oral	
Not applicable						Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
Thermal hazards:	imitations for resp	piratory protecti	ion equipment.			Symptoms: Diphenylmethanediiso	ocvanate, iso	meres and	homologu	es		n.d.a.
If OES or MEL is excee Filter A2 P2 (EN 14387 Observe wearing time li	), code colour bro					exposure (STOT-RE): Aspiration hazard:						n.d.a.
Respiratory protection: Normally not necessary						Specific target organ toxicity - repeated						n.d.a.
Protective working garn		shoes EN ISO	20345, long-sleev	ed protective working	garments).	toxicity - single exposure (STOT-SE):						n.u.a.
(COSMOPUR 811) Skin protection - Other:						Carcinogenicity: Reproductive toxicity: Specific target organ						n.d.a. n.d.a. n.d.a.
(COSMO PU-160.120 (COSMOPUR 811)						Germ cell mutagenicity: Carcinogenicity:						n.d.a.
Valid from: 01.11.2021 PDF print date: 01.11.2 COSMO PU-160.120	021					Respiratory or skin sensitisation: Germ cell						n.d.a.
Replacing version dated	01.11.2021 / 00 d / version: 27.07					Serious eye damage/irritation:						n.d.a.
			7/2006, Annex II			corrosion/irritation:						



B) Page 5 of 10 Safety data sheet accord Revision date / version: Replacing version dated	01.11.2021	/ 0012		6, Annex II			Acute toxicity, by oral route:	LD50	>2000	mg/k g	Rat	Regulation (EC) 440/2008 B.1 (ACUTE ORAL TOXICITY)	Analogou conclusio
Valid from: 01.11.2021 PDF print date: 01.11.20 COSMO PU-160.120	)21						Acute toxicity, by dermal route:	LD50	>9400	mg/k g	Rabbit	OECD 402 (Acute Dermal Toxicity)	Analogou conclusio
(COSMOPUR 811)							Acute toxicity, by inhalation:	LC50	0,387	mg/l/ 4h	Rat		Aerosol, Does not
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	Not sensitizisin g	Acute toxicity, by	ATE	1,5	mg/l/			conform with EU classifica n. Aerosol,
Germ cell mutagenicity:				Salmonel la typhimuri	OECD 471 (Bacterial Reverse	Negative	inhalation:			4h	Rabbit	OECD 404	Expert judgeme Skin Irrit
Germ cell mutagenicity:				um	Mutation Test) OECD 476 (In Vitro Mammalian Cell Gene Mutation	NegativeCh inese hamster	corrosion/irritation: Serious eye damage/irritation:				Rabbit	(Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye	2, Analogo conclusi Not irrita Analogo
Reproductive toxicity (Developmental toxicity):	NOAE L	1000	mg/k g	Rat	Test) OECD 421 (Reproduction/D evelopmental Toxicity	Female, Negative, Analogous conclusion						Irritation/Corrosio n)	conclusi Does no conform with EU classific
Reproductive toxicity (Effects on fertility):	NOAE L	1000	mg/k g	Rat	Screening Test) OECD 421 (Reproduction/D evelopmental Toxicity	Analogous conclusion	Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	n. No (skin contact) Analogo conclusi
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAE L	>= 1000	mg/k g	Rat	Screening Test) OECD 407 (Repeated Dose 28-Day Oral Toxicity Study in	Analogous conclusion oral exposure	Respiratory or skin sensitisation: Respiratory or skin				Guinea pig Mouse	OECD 429 (Skin	Yes (inhalatio Analogo conclus Yes (skii
Symptoms:					Rodents)	annoyance, cramps, trembling	sensitisation:				Salmonel	Sensitisation - Local Lymph Node Assay) OECD 471	contact), Analogo conclusio Negative
4,4'-methylenedipheny Toxicity / effect	Endpo	ate Value	Unit	Organis	Test method	Notes	mutagenicity:				la typhimuri um	(Bacterial Reverse Mutation Test)	Analogo conclusi
Acute toxicity, by oral route:	int LD50	>2000	mg/k g	<b>m</b> Rat	Regulation (EC) 440/2008 B.1 (ACUTE ORAL TOXICITY)	Analogous conclusion	Germ cell mutagenicity:				Rat	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative Analogo conclusi male
Acute toxicity, by dermal route:	LD50	>9400	mg/k g	Rabbit	OECD 402 (Acute Dermal Toxicity)	Analogous conclusion	Carcinogenicity:				Rat	OECD 453 (Combined Chronic	Aerosol, Analogo conclusi Carc. 2
Acute toxicity, by inhalation:	LC50	0,368	mg/l/ 4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol, Does not conform with EU classificatio	Reproductive toxicity:	NOAE L	4-12	mg/k g	Rat	Toxicity/Carcinog enicity Studies) OECD 414 (Prenatal Developmental Toxicity Study)	Aerosol Analogo conclusi
Acute toxicity, by inhalation:	ATE	1,5	mg/l/ 4h			Aerosol, Expert judgement.	Symptoms:						mucous membra irritation
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio n)	Skin Irrit. 2, Analogous conclusion							breathin difficultie coughin asthmat sympton
Respiratory or skin sensitisation: Respiratory or skin sensitisation: Germ cell				Guinea pig Mouse Salmonel	OECD 429 (Skin Sensitisation - Local Lymph Node Assay) OECD 471	Yes (inhalation) Skin Sens. 1 Negative,	Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAE L	0,2	mg/m 3	Rat	OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies)	Aerosol, Analogo conclusi Target organ(s) respirato
Germ cell				la typhimuri um Rat	(Bacterial Reverse Mutation Test) OECD 474	Analogous conclusion Negativem	Specific target organ toxicity - repeated exposure (STOT-RE),	LOAE L	1	mg/m 3	Rat	OECD 453 (Combined Chronic	system Aerosol Analogo conclusi
mutagenicity:					(Mammalian Erythrocyte Micronucleus Test)	ale	inhalat.:					Toxicity/Carcinog enicity Studies)	Target organ(s) respirato system
Germ cell mutagenicity:				Rat	OECD 489 (In Vivo Mammalian Alkaline Comet	Negativem ale	2,2'-methylenedipheny Toxicity / effect	Endpo	ate Value	Unit	Organis	Test method	Notes
Carcinogenicity:				Rat	Assay) OECD 453 (Combined Chronic Toxicity/Carcinog	Aerosol, Analogous conclusion, Carc. 2	Acute toxicity, by oral route:	int LD50	>2000	mg/k g	m Rat	Regulation (EC) 440/2008 B.1 (ACUTE ORAL TOXICITY)	Analogo conclusi
Reproductive toxicity:	NOAE L	4-12	mg/m 3	Rat	enicity Studies) OECD 414 (Prenatal	Aerosol, Analogous	Acute toxicity, by dermal route:	LD50	>9400	mg/k g	Rabbit	OECD 402 (Acute Dermal Toxicity)	Analogo conclusi
Specific target organ toxicity - single exposure (STOT-SE),					Developmental Toxicity Study)	May cause respiratory irritation.	Acute toxicity, by inhalation:	LC50	0,527	mg/l/ 4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol, Does no conform with EU classific
inhalative: Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	LOAE L	1	mg/m 3	Rat	OECD 453 (Combined Chronic Toxicity/Carcinog	Aerosol, Analogous conclusion, Target	Acute toxicity, by inhalation: Skin	ATE	1,5	mg/l	Rabbit	OECD 404	n. Aerosol Expert judgeme Skin Irri
					enicity Studies)	organ(s): respiratory system	corrosion/irritation:					(Acute Dermal Irritation/Corrosio n)	
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAE L	0,2	mg/m 3	Rat	OECD 453 (Combined Chronic Toxicity/Carcinog	Aerosol, Analogous conclusion, Target	Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosio n)	Slightly irritant
					enicity Studies)	organ(s): respiratory system	Respiratory or skin sensitisation:				Guinea pig	0505	Yes (inhalat Analog conclu
<u>o-(p-isocyanatobenzyl</u> Toxicity / effect	phenyl iso Endpo int	vanate Value	Unit	Organis m	Test method	Notes	Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph	Yes (ski contact)



B) Page 6 of 10 Safety data sheet accord							12.2.							With water
Safety data sheet accord Revision date / version: 0 Replacing version dated Valid from: 01.11.2021 PDF print date: 01.11.20 COSMO PU-160.120	01.11.2021 I / version: 21	/0012		)6, Annex II			Persistence and degradability:							at the interface, transforms slowly with formation of CO2
(COSMOPUR 811)														into a firm, insoluble
Germ cell mutagenicity:				Salmonel la typhimuri um	OECD 471 (Bacterial Reverse Mutation Test)	Negative								reaction product with a high melting point
Germ cell mutagenicity:				Rat	OECD 474 (Mammalian Erythrocyte Micronucleus	Negative, Analogous conclusion								(polycarba mide). According to
Carcinogenicity:				Rat	Test) OECD 453 (Combined Chronic Toxicity/Carcinog	Analogous conclusion, Aerosol, Carc. 2								experience available to date, polycarbar ide is inert
Reproductive toxicity:	NOAE L	4-12	mg/m 3	Rat	enicity Studies) OECD 414 (Prenatal Developmental Tovicity Study)	No indications of such an	12.3.							and non- degradable n.d.a.
Qantomo:					Toxicity Study)	effect., Aerosol, Analogous conclusion	Bioaccumulative potential: 12.4. Mobility in soil:							n.d.a.
Symptoms:						respiratory distress, coughing, mucous membrane	12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting							n.d.a. n.d.a.
Specific target organ	NOAE	0,2	mg/m	Rat	OECD 453	irritation Aerosol,	properties: 12.7. Other							n.d.a.
toxicity - repeated exposure (STOT-RE), inhalat.:	L		3		(Combined Chronic Toxicity/Carcinog	Target organ(s): respiratory	adverse effects: Diphenylmethane	diisocvanate	isomere	es and ho	moloque	s		
					enicity Studies)	system, Analogous	Toxicity / effect	Endpoin t	Tim e	Valu e	Unit	Organism	Test method	Notes
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	LOAE L	1	mg/m 3	Rat	OECD 453 (Combined Chronic Toxicity/Carcinog	conclusion Aerosol, Target organ(s): respiratory	Other organisms:	NOEC/N OEL	14d	>10 00	mg/k g	Avena sativa	OECD 208 (Terrestrial Plants, Growth Test)	
					enicity Studies)	system, Analogous conclusion	12.1. Toxicity to fish:	LC50	96h	>10 00	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
Dibutyltin dilaurate Toxicity / effect	Endpo	Value	Unit	Organis m	Test method	Notes	12.1. Toxicity to daphnia:	NOEC/N OEL	21d	>10	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute	
Skin corrosion/irritation:				Rat		Corrosive							Immobilisati on Test)	
Respiratory or skin sensitisation: Aspiration hazard:				Guinea pig	OECD 406 (Skin Sensitisation)	Sensitising Negative	12.1. Toxicity to daphnia:	EC50	24h	>10 00	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati	
11.2. Information COSMO PU-160.120	on other	hazards					12.1. Toxicity to algae:	ErC50	72h	>16 40	mg/l	Scenedesm us	on Test) OECD 201 (Alga,	
(COSMOPUR 811) Toxicity / effect	Endpo	Value	Unit	Organis m	Test method	Notes						subspicatus	Growth Inhibition Test)	
Endocrine disrupting properties:						Does not apply to mixtures	12.2. Persistence and degradability:		28d	0	%	activated sludge	OECD 302 C (Inherent Biodegradab	Not biodegrad ble,
Other information:						No other relevant information available on adverse effects on health.							ility - Modified MITI Test (II))	According to experience available to date, polycarba ide is iner and non-
	SECTI	ON 12: E	cologi	cal infor	mation									degradab ., With water at
Possibly more informatio COSMO PU-160.120	on on enviror	CTION 12: Ecological information           wironmental effects, see Section 2.1 (classification).												the interface, transform slowly wit
		Tim Valu	u Unit	Organism		Notes								formation of CO2 into a firm
12.1. Toxicity to fish:		e e	+		method	n.d.a.								insoluble reaction
12.1. Toxicity to daphnia: 12.1. Toxicity to			<b>_</b>			n.d.a. n.d.a.								product with a hig melting
algae:						11.u.a.								point (polycarb mide).
							12.3. Bioaccumulative potential:	BCF	42d	<14		Cyprinus carpio	OECD 305 (Bioconcentr ation - Flow- Through Fish Test)	Not to be expected
							12.5. Results of PBT and vPvB assessment	 						Negative
							Toxicity to bacteria:	EC50	3h	>10 0	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test	
													(Carbon and Ammonium Oxidation))	



B) Page 7 of 10 Safety data sheet a Revision date / vers Replacing version of Valid from: 01.11.2 PDF print date: 01. COSMO PU-160.12	sion: 01.11.20 dated / versior 2021 .11.2021	21 / 001:	2		5, Annex II			12.2. Persistence and degradability:		28d	0	%		OECD 302 C (Inherent Biodegradab ility - Modified MITI Test (II))	Not biodegrada ble, With water at the interface, transforms slowly with
(COSMOPUR 811) Other organisms:	) NOEC/N OEL	14d	>10 00	mg/k g	Lactuca sativa	OECD 208 (Terrestrial Plants, Growth									formation of CO2 into a firm insoluble reaction product
Toxicity to annelids:	NOEC/N OEL	14d	>10 00	mg/k g	Lumbricus terrestris	Test) OECD 207 (Earthworm, Acute Toxicity Tests)									with a hig melting point (polycarba mide)., According to
Poly propylene gl Toxicity / effect	ycol Endpoin	Tim	Valu	Unit	Organism	Test	Notes								experienc available
12.5. Results of PBT and vPvB assessment	t	e	e			method	No PBT substance, No vPvB								to date, polycarba ide is iner and non-
12.1. Toxicity to fish:	LC50	96h	>10 0	mg/l	Poecilia reticulata	OECD 203 (Fish, Acute Toxicity Test)	substance								degradab ., Analogou conclusio
12.1. Toxicity to daphnia:	EC50	48h	>10 0	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati		12.1. Toxicity to daphnia:	EC50	24h	>10 00	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati on Test)	Analogou conclusio
12.1. Toxicity to daphnia:	NOEC/N OEL	21d	>=1 0	mg/l	Daphnia magna	on Test) OECD 211 (Daphnia magna Reproductio	Analogous conclusion	12.1. Toxicity to daphnia:	NOEC/N OEL	21d	>10	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati	Analogou conclusio
12.1. Toxicity to algae:	EC0	72h	>= 100	mg/l	Desmodesm us subspicatus	n Test) OECD 201 (Alga, Growth Inhibition Test)		12.3. Bioaccumulative potential:	Log Pow		5,22			on Test)	A notable biological accumula on potential
12.2. Persistence and degradability:		28d	>60	%		OECD 301 F (Ready Biodegradab	Readily biodegrada ble								has to be expected (LogPow
Toxicity to	EC50	3h	>10	mg/l	activated	ility - Manometric Respirometr y Test) OECD 209	Analogous	12.1. Toxicity to algae:	ErC50	72h	>16 40	mg/l	Desmodesm us subspicatus	OECD 201 (Alga, Growth Inhibition	3). Analogou conclusio
bacteria:			00		sludge	(Activated Sludge, Respiration Inhibition Test	conclusion	12.3. Bioaccumulative potential:	BCF	28d	200		Cyprinus caprio	Test) IUCLID Chem. Data Sheet (ESIS)	Not to be expected
						(Carbon and Ammonium Oxidation))		12.5. Results of PBT and vPvB assessment						(200)	No PBT substance No vPvB substance
4,4'-methylenedip Toxicity / effect	henyl diisocy Endpoin	anate Tim	Valu	Unit	Organism	Test	Notes	Other information:	AOX						Does not contain any
Other information:	t	e	e			method	According to experience available to date, polycarbam ide is inert and non- degradable ., With	Toxicity to bacteria:	EC50	3h	>10	mg/l	activated sludge	OECD 209 (Activated	organicall bound halogens which can contribute to the AO value in waste water. Analogou: conclusion
							water at the interface, transforms slowly with formation of CO2 into a firm,							Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
							insoluble reaction product with a high melting	Other organisms:	NOEC/N OEL	14d	>10 00	mg/k g	Lactuca sativa	OECD 208 (Terrestrial Plants, Growth Test)	Analogou conclusio
12.4. Mobility in soil:	H (Henry)		0,02 29	Pa*m 3/mol			point (polycarba mide).	Other organisms:	NOEC/N OEL	14d	>10 00	mg/k g	Avena sativa	OECD 208 (Terrestrial Plants, Growth Test)	Analogou conclusio
12.1. Toxicity to fish:	LC50	96h	>10 00	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	Analogous conclusion	Toxicity to annelids:	NOEC/N OEL	14d	> 100 0	mg/k g	Lumbricus terrestris	OECD 207 (Earthworm, Acute Toxicity Tests)	Analogou conclusio
								Toxicity to annelids:	EC50	14d	>10 00	mg/k g	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	Analogou conclusio
								o-(p-isocyanatobe	enzyl)phenyl i	isocyana	te				
												Unit	Organism	Test	Notes
								Toxicity / effect 12.1. Toxicity to fish:	Endpoin t LC50	Tim e 96h	Valu e >10 00	Unit mg/l	Organism Brachydanio rerio	Test method OECD 203 (Fish, Acute	Notes Analogou: conclusio



B) Page 8 of 10 Safety data sheet a Revision date / vers Replacing version o Valid from: 01.11.20	dated / version	21 / 001:	2		6, Annex II			12.1. Toxicity to algae:	EC50	72h	>16 40	mg/l	Scenedesm us subspicatus	OECD 201 (Alga, Growth Inhibition Test)	Analogous conclusion
PDF print date: 01.1 COSMO PU-160.12	11.2021							12.2. Persistence and		28d	0	%	activated	OECD 302 C (Inherent	With water at the
								Persistence and degradability:					sludge	Biodegradab	interface,
(COSMOPUR 811)	)													ility - Modified	transforms slowly with
12.1. Toxicity to	EC50	24h	>10	mg/l	Daphnia	OECD 202	Analogous							MITI Test	formation
daphnia:			00		magna	(Daphnia sp. Acute	conclusion							(11))	of CO2 into a firm,
						Immobilisati									insoluble
10.4. Taulah ta	NOFON	01.1	10		Deshair	on Test)	A								reaction
12.1. Toxicity to daphnia:	NOEC/N OEL	21d	>10	mg/l	Daphnia magna	OECD 202 (Daphnia	Analogous conclusion								product with a high
					0	sp. Acute									melting
						Immobilisati on Test)									point (polycarba
12.1. Toxicity to	ErC50	72h	>16	mg/l	Scenedesm	OECD 201	Analogous								mide).,
algae:			40		us subspicatus	(Alga, Growth	conclusion								According to
12.2.		28d	0	%	305501000	Inhibition Test) OECD 302	Not								experience available to date,
Persistence and		200				C (Inherent	biodegrada								polycarbar
degradability:						Biodegradab ility -	ble, Analogous								ide is inert and non-
						Modified	conclusion,								degradable
						MITI Test (II))	According to								., Analogous
						(11))	experience								conclusion
							available	12.3.	Log Pow		5,22				Anotobio
							to date, polycarbam	Bioaccumulative	LUGFUW		5,22				A notable biological
l l							ide is inert	potential:							accumulati
l l							and non- degradable								on potential
							., With								has to be
							water at the								expected (LogPow >
ſ							interface,								3).
l l							transforms	12.3. Bioaccumulative	BCF	28d	200		Cyprinus	OECD 305 (Bioconcentr	Not to be
l l							slowly with formation	potential:					caprio	ation - Flow-	expected, Analogous
l l							of CO2							Through	conclusion
l l							into a firm, insoluble	Toxicity to	EC50	3h	>10	mg/l	activated	Fish Test) OECD 209	Analogous
l l							reaction	bacteria:	2000	0.1	0	g/.	sludge	(Activated	conclusion
l l							product with a high							Sludge, Respiration	
l l							melting							Inhibition	
							point (polycarba							Test (Carbon	
l l							mide).							and	
12.3. Disconsume elective	BCF	28d	200		Cyprinus	OECD 305	Not to be							Ammonium	
Bioaccumulative potential:					caprio	(Bioconcentr ation - Flow-	expected, Analogous	Other organisms:	NOEC/N	14d	>10	mg/k	Avena sativa	Oxidation)) OECD 208	Analogous
potoritati						Through	conclusion	outor organiomo.	OEL		00	g	, trond ballva	(Terrestrial	conclusion
12.4. Mobility in	н		0,02	Pa*m		Fish Test)								Plants, Growth	
soil:	(Henry)		29	3/mol											
12.5. Results of PBT and vPvB														Test)	
							No PBT substance	Other organisms:	NOEC/N	14d	>10	mg/k	Lactuca	OECD 208	Analogous
assessment							substance, No vPvB	Other organisms:	NOEC/N OEL	14d	>10 00	mg/k g	Lactuca sativa	OECD 208 (Terrestrial Plants,	Analogous conclusion
assessment	EC50	3h	>10	ma/l	activated	OECD 209	substance, No vPvB substance	Other organisms:		14d				OECD 208 (Terrestrial Plants, Growth	
	EC50	3h	>10 0	mg/l	activated sludge	OECD 209 (Activated	substance, No vPvB	Toxicity to	OEL NOEC/N	14d 14d	00 >10		sativa Eisenia	OECD 208 (Terrestrial Plants, Growth Test) OECD 207	conclusion Analogous
assessment Toxicity to	EC50	3h		mg/l		(Activated Sludge,	substance, No vPvB substance Analogous		OEL		00	g	sativa	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm,	conclusion
assessment Toxicity to	EC50	3h		mg/l		(Activated Sludge, Respiration Inhibition	substance, No vPvB substance Analogous	Toxicity to	OEL NOEC/N		00 >10	g mg/k	sativa Eisenia	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity	conclusion Analogous
assessment Toxicity to	EC50	3h		mg/l		(Activated Sludge, Respiration Inhibition Test	substance, No vPvB substance Analogous	Toxicity to	OEL NOEC/N		00 >10	g mg/k	sativa Eisenia	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute	conclusion Analogous
assessment Toxicity to	EC50	3h		mg/l		(Activated Sludge, Respiration Inhibition Test (Carbon and	substance, No vPvB substance Analogous	Toxicity to annelids: Dibutyltin dilaurat	OEL NOEC/N OEL	14d	00 >10 00	g mg/k g	sativa Eisenia foetida	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests)	Analogous conclusion
assessment Toxicity to	EC50	3h		mg/l		(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium	substance, No vPvB substance Analogous	Toxicity to annelids:	OEL NOEC/N OEL	14d Tim	00 >10 00 Valu	g mg/k	sativa Eisenia	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test	conclusion Analogous
assessment Toxicity to	NOEC/N	3h 14d	0	mg/l mg/k		(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208	substance, No vPvB substance Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat	OEL NOEC/N OEL	14d	00 >10 00	g mg/k g	sativa Eisenia foetida	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201	Analogous conclusion
assessment Toxicity to bacteria:			0		sludge	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial	substance, No vPvB substance Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat Toxicity / effect	OEL NOEC/N OEL te Endpoin t	14d Tim e	00 >10 00 Valu e	g mg/k g Unit	sativa Eisenia foetida Organism Desmodesm us	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga,	Analogous conclusion
assessment Toxicity to bacteria:	NOEC/N		0	mg/k	sludge	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208	substance, No vPvB substance Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat Toxicity / effect 12.1. Toxicity to	OEL NOEC/N OEL te Endpoin t	14d Tim e	00 >10 00 Valu e	g mg/k g Unit	sativa Eisenia foetida Organism Desmodesm	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth	Analogous conclusion
assessment Toxicity to bacteria: Other organisms:	NOEC/N OEL	14d	0 >10 00	mg/k g	sludge Avena sativa	(Activated Sludge, Respiration Inhibition Test (Carbon and Armonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test)	substance, No vPvB substance Analogous conclusion	Toxicity to annelids: Dibutyttin dilaurat Toxicity / effect 12.1. Toxicity to algae:	OEL NOEC/N OEL te Endpoin t	14d Tim e 72h	00 >10 00 Valu e >1	g mg/k g Unit mg/l	sativa Eisenia foetida Organism Desmodesm us	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test)	Analogous conclusion Notes
assessment Toxicity to bacteria:	NOEC/N OEL NOEC/N		0 >10 00 >10	mg/k g mg/k	Sludge Avena sativa	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208	substance, No vPvB substance Analogous conclusion Analogous conclusion	Toxicity to annelids:         Dibutyltin dilaurat         Toxicity / effect         12.1. Toxicity to algae:         12.2.	OEL NOEC/N OEL te Endpoin t	14d Tim e	00 >10 00 Valu e	g mg/k g Unit	sativa Eisenia foetida Organism Desmodesm us	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 301	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms:	NOEC/N OEL	14d	0 >10 00	mg/k g	sludge Avena sativa	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Plants,	substance, No vPvB substance Analogous conclusion	Toxicity to annelids: Dibutyttin dilaurat Toxicity / effect 12.1. Toxicity to algae:	OEL NOEC/N OEL te Endpoin t	14d Tim e 72h	00 >10 00 Valu e >1	g mg/k g Unit mg/l	sativa Eisenia foetida Organism Desmodesm us	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms:	NOEC/N OEL NOEC/N	14d	0 >10 00 >10	mg/k g mg/k	Sludge Avena sativa	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth	substance, No vPvB substance Analogous conclusion Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat Toxicity / effect 12.1. Toxicity to algae: 12.2. Persistence and	OEL NOEC/N OEL te Endpoin t	14d Tim e 72h	00 >10 00 Valu e >1	g mg/k g Unit mg/l	sativa Eisenia foetida Organism Desmodesm us	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab ility -	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to	NOEC/N OEL NOEC/N OEL	14d	0 >10 00 >10	mg/k g mg/k	Sludge Avena sativa	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth OECD 208 (Terrestrial Plants, Growth DECD 208 (Terrestrial Plants, Growth DECD 208 (Terrestrial Plants, Growth DECD 207	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat Toxicity / effect 12.1. Toxicity to algae: 12.2. Persistence and	OEL NOEC/N OEL te Endpoin t	14d Tim e 72h	00 >10 00 Valu e >1	g mg/k g Unit mg/l	sativa Eisenia foetida Organism Desmodesm us	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to	NOEC/N OEL NOEC/N OEL	14d	0 >10 00 >10 00	mg/k g mg/k g	Sludge Avena sativa Lactuca sativa	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm,	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat Toxicity / effect 12.1. Toxicity to algae: 12.2. Persistence and	OEL NOEC/N OEL te Endpoin t	14d Tim e 72h	00 >10 00 Valu e >1	g mg/k g Unit mg/l	sativa Eisenia foetida Organism Desmodesm us	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test Method OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab iilty - Manometric	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms: Other organisms:	NOEC/N OEL NOEC/N OEL	14d	0 >10 00 >10 00 >10	mg/k g mg/k g	Sludge Avena sativa Lactuca sativa Eisenia	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth OECD 208 (Terrestrial Plants, Growth DECD 208 (Terrestrial Plants, Growth DECD 208 (Terrestrial Plants, Growth DECD 207	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat Toxicity / effect 12.1. Toxicity to algae: 12.2. Persistence and	OEL NOEC/N OEL Endpoin t EC50	14d Tim e 72h 28d	00 >10 00 <b>Valu</b> e >1 22	g mg/k g Unit mg/l	sativa Eisenia foetida Organism Desmodesm us subspicatus	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab ility - Manometric Respirometr y Test)	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to	NOEC/N OEL NOEC/N OEL	14d	0 >10 00 >10 00 >10	mg/k g mg/k g	Sludge Avena sativa Lactuca sativa Eisenia	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat Toxicity / effect 12.1. Toxicity to algae: 12.2. Persistence and	OEL NOEC/N OEL Endpoin t EC50	14d Tim e 72h 28d	00 >10 00 <b>Valu</b> e >1 22	g mg/k g Unit mg/l	sativa Eisenia foetida Organism Desmodesm us	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab ility - Manometric Respirometr y Test)	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to	NOEC/N OEL NOEC/N OEL NOEC/N OEL	14d 14d 14d	0 >10 00 >10 00 >10	mg/k g mg/k g	Sludge Avena sativa Lactuca sativa Eisenia	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 2008 (Terrestrial Plants, Growth Test) OECD 2028 (Terrestrial Plants, Growth Test) OECD 2028 (Terrestrial Plants, Growth Test) OECD 2028 (Terrestrial Plants, Growth Test) OECD 2028 (Terrestrial Plants, Growth Test) OECD 2027 (Earthworm, Acute Toxicity	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat Toxicity / effect 12.1. Toxicity to algae: 12.2. Persistence and	OEL NOEC/N OEL Endpoin t EC50	14d Tim e 72h 28d	00 >10 00 <b>Valu</b> e >1 22	g mg/k g Unit mg/l	sativa Eisenia foetida Organism Desmodesm us subspicatus	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab ility - Manometric Respirometr y Test)	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to annelids:	NOEC/N OEL NOEC/N OEL NOEC/N OEL	14d 14d 14d 14d Tim	0 >10 00 >10 00 >10 00 >10 00	mg/k g mg/k g	Sludge Avena sativa Lactuca sativa Eisenia	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests)	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat Toxicity / effect 12.1. Toxicity to algae: 12.2. Persistence and	OEL NOEC/N OEL Endpoin t EC50	14d Tim e 72h 28d	00 >10 00 Valu e >1 22 3: Dis	g mg/k g Unit mg/l	sativa Eisenia foetida Organism Desmodesm us subspicatus	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab ility - Manometric Respirometr y Test)	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedipi Toxicity / effect	NOEC/N OEL NOEC/N OEL NOEC/N OEL	14d 14d 14d	0 >10 00 >10 00 >10 00	mg/k g mg/k g mg/k g	Sludge Avena sativa Lactuca sativa Eisenia foetida	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests)	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion	Toxicity to annelids:         Dibutyltin dilaurat         Toxicity / effect         12.1. Toxicity to algae:         12.2. Persistence and degradability:         13.1 Waste tree For the substate	OEL NOEC/N OEL Endpoin t EC50 SECT	14d Tim e 72h 28d ION 1	00 >10 00 Valu e >1 22 3: Dis	g mg/k g Unit mg/l %	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab ility - Manometric Respirometr y Test)	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedipp Toxicity / effect 12.5. Results of PBT and VPvB	NOEC/N OEL NOEC/N OEL NOEC/N OEL	14d 14d 14d 14d Tim	0 >10 00 >10 00 >10 00 >10 00	mg/k g mg/k g mg/k g	Sludge Avena sativa Lactuca sativa Eisenia foetida	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests)	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion	Toxicity to annelids: Dibutyitin dilaurat Toxicity / effect 12.1. Toxicity to algae: 12.2. Persistence and degradability: 13.1 Waste tre For the substa EC disposal code r	OEL NOEC/N OEL Endpoin t EC50 SECT Seatment ma ance / mixt o.:	14d Time 72h 28d ION 1	00 >10 00 Valu e >1 22 3: Dis essidual	g mg/k g Unit mg/l % sposal	sativa Eisenia foetida Organism Desmodesm us subspicatus considera	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 201 (Alga, Growth Coe CD 201 (Alga, Growth Coe CD 201 (Alga, Growth Coe CD 201 (Alga, Growth Coe CD 201 (Alga, Growth Coe CO CO CD 201 (Alga, Growth Coe CO CO CO CO CO CO CO CO CO CO CO CO CO	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedip Toxicity / effect 12.5. Results of	NOEC/N OEL NOEC/N OEL NOEC/N OEL	14d 14d 14d 14d Tim	0 >10 00 >10 00 >10 00 >10 00	mg/k g mg/k g mg/k g	Sludge Avena sativa Lactuca sativa Eisenia foetida	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests)	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion Notes No PBT substance, No vPvB	Toxicity to annelids:         Dibutyltin dilaurat         Toxicity / effect         12.1. Toxicity to algae:         12.2. Persistence and degradability:         13.1 Waste tree For the substate	OEL NOEC/N OEL E Endpoin t EC50 SECT Catment me ance / mixt to::	14d Time 72h 28d ION 1 ethods cure / ro dations b	00 >10 00 Valu e >1 22 3: Dis esidual aseed on 1	g mg/k g Unit mg/l % sposal	sativa Eisenia foetida Organism Desmodesm us subspicatus considera ts	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab ility - Manometric Respirometr y Test) tions	Analogous conclusion Notes
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedipp Toxicity / effect 12.5. Results of PBT and VPvB	NOEC/N OEL NOEC/N OEL NOEC/N OEL	14d 14d 14d 14d Tim	0 >10 00 >10 00 >10 00 >10 00	mg/k g mg/k g mg/k g	Sludge Avena sativa Lactuca sativa Eisenia foetida	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests)	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion	Toxicity to annelids: DibutyItin dilaurat Toxicity / effect 12.1. Toxicity to algae: 12.2. Persistence and degradability: 13.1 Waste tree For the subscience The waste codes a Owing to the user's allocated under ce	OEL NOEC/N OEL Endpoin t EC50 EC50 EC50 EC50 EC50 EC50 EC50 EC50	14d Tim e 72h 28d ION 1 ethods sure / ru dations b titions for ness. (21)	00 >10 00 Valu e >1 22 3: Dis ased on 1 use and 1/4/95/f.	g mg/k g Unit mg/l % sposal i amoun the schedu disposal, c U)	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera ts led use of this prother waste codes	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab iilfy - Manometric Respirometr y Test) titons	Analogous conclusion Notes Not readily biodegrada ble
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedip Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.4. Mobility in soil:	NOEC/N OEL NOEC/N OEL NOEC/N OEL Endpoin t H (Henry)	14d 14d 14d Tim e	0 >10 00 >10 00 >10 00 Valu e 0,02 29	mg/k g mg/k g Unit Unit	Sludge Avena sativa Lactuca sativa Eisenia foetida Organism	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion Notes No vPBT substance, No vPvB substance	Toxicity to annelids:         Dibutyltin dilaurat         Toxicity / effect         12.1, Toxicity to algae:         12.2.         Persistence and degradability:         13.1 Waste tree For the substi EC disposal code r The waste codes a Owing to the user's allocated under codes a         0.0 K 04 00 waste add	OEL NOEC/N OEL Endpoin t EC50 SECT Catment me ance / mixi no.: are recommen specific cond rtain circumsta	14d Tim e 72h 28d ION 1 ethods sure / ru dations b titions for ness. (21)	00 >10 00 Valu e >1 22 3: Dis ased on 1 use and 1/4/95/f.	g mg/k g Unit mg/l % sposal i amoun the schedu disposal, c U)	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera ts led use of this prother waste codes	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab iilfy - Manometric Respirometr y Test) titons	Analogous conclusion Notes Not readily biodegrada ble
assessment Toxicity to bacteria: Other organisms: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedipp Toxicity / effect 12.5. Results of PBT and VPvB assessment 12.4. Mobility in soil: 12.1. Toxicity to	NOEC/N OEL NOEC/N OEL NOEC/N OEL henyl diisocy Endpoin t	14d 14d 14d 14d Tim	0 >10 00 >10 00 >10 00 Valu e 0,02 29 >10	mg/k g mg/k g Unit	Sludge Avena sativa Lactuca sativa Eisenia foetida Organism Brachydanio	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Tests) Test method	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion Notes No PBT substance, No vPvB substance Analogous	Toxicity to annelids: Dibutyitin dilaurat Toxicity / effect 12.1. Toxicity o algae: 12.2. Persistence and degradability: 13.1 Waste tree For the subst: EC disposal coder The waste codes a Owing to the user's allocated under cet 08 04 09 waste adi 08 05 01 waste iso Recommendation:	OEL NOEC/N OEL EE Endpoin t EC50 EC50 EC50 EC50 EC50 EC50 EC50 EC50	14d Tim e 72h 28d ION 1 ethods cure / ru dations b titions for cress. (2(2)	00 >10 00 Valu e >1 22 3: Dis ased on 1 use and 1/4/95/f.	g mg/k g Unit mg/l % sposal i amoun the schedu disposal, c U)	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera ts led use of this prother waste codes	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab iilfy - Manometric Respirometr y Test) titons	Analogous conclusion Notes Not readily biodegrada ble
assessment Toxicity to bacteria: Other organisms: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedipp Toxicity / effect 12.5. Results of PBT and VPvB assessment 12.4. Mobility in soil: 12.1. Toxicity to	NOEC/N OEL NOEC/N OEL NOEC/N OEL Endpoin t H (Henry)	14d 14d 14d Tim e	0 >10 00 >10 00 >10 00 Valu e 0,02 29	mg/k g mg/k g Unit Unit	Sludge Avena sativa Lactuca sativa Eisenia foetida Organism	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion Notes No vPBT substance, No vPvB substance	Toxicity to annelids:         Dibutyitin dilaurat Toxicity / effect         12.1. Toxicity o algae:         12.2. Persistence and degradability:         Eor the substa EC disposal code r The waste codes s Owing to the user's allocated under cet 08 04 09 waste adl 08 05 01 waste iso Recommendation:         Sewage disposal s	OEL NOEC/N OEL Endpoin t EC50 EC50 EC50 EC50 EC50 EC50 EC50 EC50	14d Tim e 72h 28d ION 1 28d ION 1 ethods cure / ru dations b nces. (2(2) cura for a state of a sta	00 >10 00 Valu e >1 22 22 3: Dis ased on 1 use and 14/955/5	g mg/k g Unit mg/l % sposal	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera ts led use of this prother waste codes	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab iilfy - Manometric Respirometr y Test) titons	Analogous conclusion Notes Not readily biodegrada biodegrada
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedip Toxicity / effect 12.5, Results of PBT and VPB Tand VPB Ta	NOEC/N OEL NOEC/N OEL NOEC/N OEL henyl diisocy Endpoin t H (Henry) LC50	14d 14d 14d <u>Tim</u> e 96h	0 >10 00 >10 00 >10 00 Valu e 0,02 29 >10 00 Valu	mg/k g mg/k g Unit Unit J/mol mg/l	Sludge Avena sativa Lactuca sativa Eisenia foetida Organism Brachydanio rerio	(Activated Sludge, Respiration Inhibition Test (Carbon and Octopoted Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion Notes No vPvB substance No vPvB substance	Toxicity to annelids: DibutyItin dilaurat Toxicity / effect 12.1. Toxicity o algae: 12.2. Persistence and degradability: 12.2. Persistence and degradability: 12.2. Persistence and degradability: 12.2. Persistence and degradability: 12.2. Persistence and degradability: 12.2. Persistence and degradability:	OEL NOEC/N OEL Embodie Endpoin t EC50 EC50 EC50 EC50 EC50 EC50 EC50 EC50	14d Tim e 72h 28d ION 1 28d ION 1 ethods cure / ru dations b nces. (2(2) cura for a state of a sta	00 >10 00 Valu e >1 22 22 3: Dis ased on 1 use and 14/955/5	g mg/k g Unit mg/l % sposal	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera ts led use of this prother waste codes	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab iilfy - Manometric Respirometr y Test) titons	Analogous conclusion Notes Not readily biodegrada biodegrada
assessment Toxicity to bacteria: Other organisms: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedipi Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.4. Mobility in soil: 12.1. Toxicity to	NOEC/N OEL NOEC/N OEL NOEC/N OEL Endpoin t H (Henry) LC50	14d 14d 14d Tim e	0 >10 00 >10 00 >10 00 Valu e 0,02 29 >10	mg/k g mg/k g Unit Unit	Sludge Avena sativa Lactuca sativa Eisenia foetida Organism Brachydanio rerio Daphnia	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion Notes No vPBT substance, No vPvB substance Analogous conclusion	Toxicity to annelids: Dibutyitin dilaurat Toxicity / effect 12.1. Toxicity o algae: 12.2. Persistence and degradability: 12.2. Persistence and degradability:	OEL NOEC/N OEL Endpoin t EC50 EC50 EC50 EC50 EC50 EC50 EC50 EC50	14d Tim e 72h 28d ION 1 28d ION 1 ethods rure / rr dations for funces. (2( rure and the set) run ethods run ethod	00 >10 00 Valu e >1 22 22 3: Dis ased on 1 use and 14/955/5	g mg/k g Unit mg/l % sposal	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera ts led use of this prother waste codes	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab iilfy - Manometric Respirometr y Test) titons	Analogous conclusion Notes Not readily biodegrada biodegrada
assessment Toxicity to bacteria: Other organisms: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedipi Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.4. Mobility in soil: 12.1. Toxicity to	NOEC/N OEL NOEC/N OEL NOEC/N OEL henyl diisocy Endpoin t H (Henry) LC50	14d 14d 14d <u>Tim</u> e 96h	0 >10 00 >10 00 >10 00 Valu e 0,02 29 >10 00 Valu	mg/k g mg/k g Unit Unit J/mol mg/l	Sludge Avena sativa Lactuca sativa Eisenia foetida Organism Brachydanio rerio	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 203 (Fish, Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test)	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion Notes No vPvB substance No vPvB substance	Toxicity to annelids: Dibutyitin dilaurat Toxicity / effect 12.1. Toxicity o algae: 12.2. Persistence and degradability: 12.2. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 13.3. Persistence and degradability: 13.3. Persistence and degradability: 13.3. Persistence and degradability: 13.3. Persistence and degradability: 13.3. Persistence and degradability: 13.3. Persistence and degradability: 13.3. Persistence and degradability: 13.3. Persistence and degradability: 1	OEL NOEC/N OEL EE Endpoin t EC50 EC50 EE EC50 EE	14d Tim e 72h 28d 28d ION 1 ethods titons for titons for cose. (2) values of re- dations b itions for raged. al official e.	00 >10 00 Valu e >1 22 22 3: Dis ased on 1 use and 2 sidual ased on 1 ased on 1 ased on 1 ased on 1 ased on 1 ased on 1 ased on 1 and ased on 1 ased on 1 ased on 1 ased on 1 ased on 1 and ased on 1 ased on 1 and ased on 1 and ased on 1 ased on 1 ase	g mg/k g Unit mg/l % sposal	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera ts led use of this prother waste codes	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab iilfy - Manometric Respirometr y Test) titons	Analogous conclusion Notes Not readily biodegrada biodegrada
assessment Toxicity to bacteria: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedip Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.4. Mobility in soil:	NOEC/N OEL NOEC/N OEL NOEC/N OEL Endpoin t H (Henry) LC50	14d 14d 14d <u>Tim</u> e 96h	0 >10 00 >10 00 >10 00 Valu e 0,02 29 >10 00 Valu	mg/k g mg/k g Unit Unit J/mol mg/l	Sludge Avena sativa Lactuca sativa Eisenia foetida Organism Brachydanio rerio Daphnia	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium) Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion Notes No vPBT substance, No vPvB substance Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat Toxicity / effect 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.2. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 12.3. Persistence and degradability: 13.3. Persistence and degradability: 13.3. Persistence and degradability:	OEL NOEC/N OEL Endpoin t EC50 EC50 EC50 EC50 EC50 EC50 EC50 EC50	14d Tim e 72h 28d 28d 10N 1 ethods tions to tions to raged. I official off	00  >10 00  Valu e >1 22 3: Dis ased on 1 4/4/955/5 regulation regulation erial	g mg/k g Unit mg/l % sposal amoun the schedu disposal, c U) organic so	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera ts led use of this prother waste codes	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab iilfy - Manometric Respirometr y Test) titons	Analogous conclusion Notes Not readily biodegrada biodegrada
assessment Toxicity to bacteria: Other organisms: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedip Toxicity / effect 12.5. Results of PBT and VPvB assessment 12.4. Mobility in soil: 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	NOEC/N OEL NOEC/N OEL NOEC/N OEL H (Henry) LC50 NOEC/N OEL	14d 14d 14d 14d <u>Tim</u> e 96h 21d	0 >10 00 >10 00 >10 00 Valu e 0,02 29 >10 00 >10 >10 >10 >10 >10 >10	mg/k g mg/k g Unit Unit J/mol mg/l	Sludge Avena sativa Lactuca sativa Eisenia foetida Organism Brachydanio rerio Daphnia magna	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 203 (Fish, Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test)	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Notes No vPvB substance, No vPvB substance Analogous conclusion	Toxicity to annelids: Dibutyitin dilaurat Toxicity / effect 12.1. Toxicity o algae: 12.2. Persistence and degradability: 12.2. Persistence and degradability: 1	OEL NOEC/N OEL Endpoin t Endpoin t EC50 EC50 EC50 EC50 EC50 EC50 EC50 EC50	14d Tim e 72h 28d 28d 10N 1 ethods tions to tions to raged. I official off	00  >10 00  Valu e >1 22 3: Dis ased on 1 4/4/955/5 regulation regulation erial	g mg/k g Unit mg/l % sposal amoun the schedu disposal, c U) organic so	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera ts led use of this prother waste codes	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab iilfy - Manometric Respirometr y Test) titons	Analogous conclusion Notes Notreadilj biodegrad bile
assessment Toxicity to bacteria: Other organisms: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedipi Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.4. Mobility in soil: 12.1. Toxicity to	NOEC/N OEL NOEC/N OEL NOEC/N OEL Endpoin t H (Henry) LC50	14d 14d 14d <u>Tim</u> e 96h	0 >10 00 >10 00 >10 00 Valu e 0,02 29 >10 00 Valu	mg/k g mg/k g Unit Unit J/mol mg/l	Sludge Avena sativa Lactuca sativa Eisenia foetida Organism Brachydanio rerio Daphnia	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisati on Test) OECD 202 (Daphnia	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion Notes No vPBT substance, No vPvB substance Analogous conclusion	Toxicity to annelids: Dibutyitin dilaurat Toxicity / effect 12.1. Toxicity o algae: 12.2. Persistence and degradability: 12.2. Persistence and degradabili	OEL NOEC/N OEL Endpoin t EC50 EC50 EC50 EC50 EC50 EC50 EC50 EC50	14d Tim e 72h 28d ION 1 28d ION 1 ethods rure / ru dations to ruces. (2(2) alaants co raged. al official e. ng mata e. ng mata e. e. e. e. e. e. e. e. e. e.	00 >10 00 Valu e >1 22 3: Dis ased on 1 ve and 14/955/E regulation regulation ergulation ergulation ergulation	g mg/k g Unit mg/l % sposal amoun the schedu disposal, c U) organic so us.	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera ts led use of this pre ther waste codes lvents or other ha	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab iilty - Manometric Respirometr y Test) titons	Analogous conclusion Notes Notreadilj biodegrad bile
assessment Toxicity to bacteria: Other organisms: Other organisms: Other organisms: Toxicity to annelids: 2,2'-methylenedipi Toxicity / effect 12.5. Results of PBT and vPvB assessment 12.4. Mobility in soil: 12.1. Toxicity to daphnia: 12.1. Toxicity to	NOEC/N OEL NOEC/N OEL NOEC/N OEL H (Henry) LC50 NOEC/N OEL	14d 14d 14d 14d <u>Tim</u> e 96h 21d	0 >10 00 >10 00 >10 00 Valu e 0,02 29 >10 00 >10 >10 >10 >10 >10 >10	mg/k g mg/k g Unit Unit J/mol mg/l	Sludge Avena sativa Lactuca sativa Eisenia foetida Organism Brachydanio rerio Daphnia magna Daphnia	(Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) OECD 208 (Terrestrial Plants, Growth Test) OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisati o Test) OECD 202	substance, No vPvB substance Analogous conclusion Analogous conclusion Analogous conclusion Analogous conclusion Notes No vPBT substance, No vPBT substance Analogous conclusion	Toxicity to annelids: Dibutyltin dilaurat Toxicity / effect 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.2. Persistence and degradability:	OEL NOEC/N OEL EE Endpoin t EC50 EC50 EC50 EC50 EC50 EC50 EC50 EC50	14d Tim e 72h 28d 28d 10N 1 28d 10N 1 28d 10 ficial 10 ficial 10 ficial 10 ficial 10 ficial 10 ficial 10 ficial	00 >10 00 Valu e 22 22 3: Dis ased on 1 use and 1:4/95/f. ased on 1 use and 1:4/95/f. ased on 1 use and 1:4/95/f. ased on 1 ased	g mg/k g Unit mg/l % sposal i amoun the schedu disposal, c U) organic so is.	sativa Eisenia foetida Organism Desmodesm us subspicatus Considera ts led use of this pre ther waste codes lvents or other ha	OECD 208 (Terrestrial Plants, Growth Test) OECD 207 (Earthworm, Acute Toxicity Tests) Test method OECD 201 (Alga, Growth Inhibition Test) OECD 301 F (Ready Biodegradab ility - Manometric Respirometr y Test) tions	Analogous conclusion Notes Notreadilj biodegrad bile



GB Page 9 of 10		H410 Very toxic to aquatic life with long lasting effects.
Safety data sheet according to Regulation (EC) No 190	7/2006, Annex II	Acute Tox. — Acute toxicity - inhalation
Revision date / version: 01.11.2021 / 0012 Replacing version dated / version: 27.07.2021 / 0011		Eye Irrit. — Eye irritation STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation
Valid from: 01.11.2021 PDF print date: 01.11.2021		Skin Irrit. — Skin irritation
COSMO PU-160.120		Resp. Sens. — Respiratory sensitization Skin Sens. — Skin sensitization
(COSMOPUR 811)		Carc. — Carcinogenicity STOT RE — Specific target organ toxicity - repeated exposure
General statements		Acute Tox. — Acute toxicity - oral Skin Corr. — Skin corrosion
14.1. UN number or ID number: Transport by road/by rail (ADR/RID)	n.a.	Eye Dam. — Serious eye damage Muta. — Germ cell mutagenicity
14.2. UN proper shipping name:		Repr. — Reproductive toxicity STOT SE — Specific target organ toxicity - single exposure
14.3. Transport hazard class(es): 14.4. Packing group:	n.a. n.a.	Aquatic Acute — Hazardous to the aquatic environment - acute
Classification code: LQ:	n.a. n.a.	Aquatic Chronic — Hazardous to the aquatic environment - chronic
14.5. Environmental hazards: Tunnel restriction code:	Not applicable	Key literature references and sources for data:
Transport by sea (IMDG-code)		Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.
14.2. UN proper shipping name: 14.3. Transport hazard class(es):	n.a.	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
14.4. Packing group: Marine Pollutant:	n.a. n.a	(ECHA). Safety data sheets for the constituent substances.
14.5. Environmental hazards: Transport by air (IATA)	Not applicable	ECHÁ Homepage - Information about chemicals. GESTIS Substance Database (Germany).
14.2. UN proper shipping name:		German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).
14.3. Transport hazard class(es): 14.4. Packing group:	n.a. n.a.	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.
14.5. Environmental hazards: 14.6. Special precautions for user	Not applicable	National Lists of Occupational Exposure Limits for each country as amended.
Unless specified otherwise, general measures for safe		Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.
14.7. Maritime transport in bulk accordin Non-dangerous material according to Transport Regula		Any abbreviations and acronyms used in this document:
SECTION 15: Regu	latory information	
	-	
15.1 Safety, health and environmental re	gulations/legislation specific for the	acc., acc. to according, according to ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (=
substance or mixture		European Agreement concerning the International Carriage of Dangerous Goods by Road) AOX Adsorbable organic halogen compounds
Observe restrictions: Comply with national regulations/laws governing the pro	ptection of young people at work (national	approx. approximately Art., Art. no.Article number
implementation of the Directive 94/33/EC)! Regulation (EC) No 1907/2006, Annex XVII		ASTM ASTM International (American Society for Testing and Materials) ATE Acute Toxicity Estimate
Diphenylmethanediisocyanate, isomeres and homologu 4.4'-methylenediphenyl diisocyanate	les	BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
o-(p-isocyanatobenzyl)phenyl isocyanate 2,2'-methylenediphenyl diisocyanate		BAUA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
Dibutyltin dilaurate		BCF Bioconcentration factor
Regulation (EU) No 649/2012 'concerning the export an as the product contains a substance that falls within the	scope of this Regulation.	BSEF The International Bromine Council bw body weight
Comply with national regulations/laws governing materr 92/85/EEC)!	hity protection (national implementation of the Directive	CAS Chemical Abstracts Service CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification,
Comply with trade association/occupational health regu	lations.	labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic
Directive 2010/75/EU (VOC):	0,81 %	DMEL Derived Minimum Effect Level DNEL Derived No Effect Level
15.2 Chemical safety assessment A chemical safety assessment is not provided for mixtu	705	DOC Dissolved organic carbon dw dry weight
SECTION 16: Of		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) EC European Community
Revised sections:	1-16	ECHA European Chemicals Agency ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect
These details refer to the product as it is delivered.	tariala ia raguirad	EEC European Economic Community
Employee instruction/training in handling hazardous ma		EINECS European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances
Classification and processes used to de accordance with the ordinance (EG) 127		EN European Norms EPA United States Environmental Protection Agency (United States of America)
		ErCx, EµCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)
Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used	etc. et cetera EU European Union
Acute Tox. 4, H332	Classification according to calculation	EVAL Ethylene vinyl alcohol copolymer Fax. Fax number
Eye Irrit. 2, H319	procedure. Classification according to calculation	gen. general
•	procedure.	GWP Global warming potential
STOT SE 3, H335	Classification according to calculation procedure.	Koc Adsorption coefficient of organic carbon in the soil Kow octanol-water partition coefficient
Skin Irrit. 2, H315	Classification according to calculation	IARC International Agency for Research on Cancer IATA International Air Transport Association
	procedure.	IBC (Code) International Bulk Chemical (Code) IMDG-code International Maritime Code for Dangerous Goods
Resp. Sens. 1, H334	Classification according to calculation procedure.	incl. including, inclusive IUCLID International Uniform Chemical Information Database
Skin Sens. 1, H317	Classification according to calculation	IUPAC International Union for Pure Applied Chemistry LC50 Lethal Concentration to 50 % of a test population
Carc. 2, H351	procedure. Classification according to calculation	LD50 Lethal Dose to 50% of a test population (Median Lethal Dose) Log Koc Logarithm of adsorption coefficient of organic carbon in the soil
	procedure.	Log Kow, Log Pow Logarithm of octanol-water partition coefficient
STOT RE 2, H373	Classification according to calculation procedure.	LQ Limited Quantities MARPOL International Convention for the Prevention of Marine Pollution from Ships
L		n.a. not applicable n.av. not available
	ss and Risk Category Code (GHS/CLP) of the product	n.c. not checked n.d.a. no data available
The following phrases represent the posted Hazard Cla and the constituents (specified in Section 2 and 3).		
	child.	NIOSH         National Institute for Occupational Safety and Health (USA)           NLP         No-longer-Polymer
and the constituents (specified in Section 2 and 3). H314 Causes severe skin burns and eye damage. H360FD May damage fertility. May damage the unborn H373 May cause damage to organs through prolonged		NLP No-longer-Polymer NOEC, NOEL No Observed Effect Concentration/Level
and the constituents (specified in Section 2 and 3). H314 Causes severe skin burns and eye damage. H360PD May damage fertility. May damage the unborn H373 May cause damage to organs through prolonged H302 Harmful if swallowed. H315 Causes skin irritation.		NLP         No-longer-Polymer           NOEC, NOEL         No Observed Effect Concentration/Level           OECD         Organisation for Economic Co-operation and Development           org.         organic
and the constituents (specified in Section 2 and 3). H314 Causes severe skin burns and eye damage. H360FD May damage fertility. May damage the unborn H373 May cause damage to organs through prolonged H302 Harmful if swallowed. H315 Causes skin irritation. H317 May causes an allergic skin reaction. H318 Causes serious eye damage.		NLP         No-longer-Polymer           NOEC, NOEL         No Observed Effect Concentration/Level           OECD         Organisation for Economic Co-operation and Development           org.         organic           OSHA         Occupational Safety and Health Administration (USA)           PBT         persistent, bioaccumulative and toxic
and the constituents (specified in Section 2 and 3). H314 Causes severe skin burns and eye damage. H360FD May damage fertility. May damage the unborn H373 May cause damage to organs through prolonged H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H329 Ammful if inhaled.	or repeated exposure by inhalation.	NLP         No-longer-Polymer           NOEC, NOEL         No Observed Effect Concentration/Level           OECD         Organication for Economic Co-operation and Development           org.         organic           OSHA         Occupational Safety and Health Administration (USA)           PBT         persistent, bioaccumulative and toxic           PE         Polyethylene           PNEC         Predicted No Effect Concentration
and the constituents (specified in Section 2 and 3). H314 Causes severe skin burns and eye damage. H360PD May damage fertility. May damage the unborn H373 May cause damage to organs through prolonged H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breath H335 May cause respiratory irritation.	or repeated exposure by inhalation.	NLP         No-longer-Polymer           NOEC, NOEL         No Observed Effect Concentration/Level           OECD         Organisation for Economic Co-operation and Development           org.         organic           OSHA         Occupational Safety and Health Administration (USA)           PBT         persistent, bioaccumulative and toxic           PE         Polyethylene
and the constituents (specified in Section 2 and 3). H314 Causes severe skin burns and eye damage. H360FD May damage fertility. May damage the unborn H373 May cause damage to organs through prolonged H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breath H335 May cause respiratory irritation. H341 Suspected of causing genetic defects.	or repeated exposure by inhalation.	NLP         No-longer-Polymer           NOEC, NOEL         No Observed Effect Concentration/Level           OECD         Organisation for Economic Co-operation and Development           org.         organic           OSHA         Occupational Safety and Health Administration (USA)           PBT         persistent, bioaccumulative and toxic           PE         Polyethylene           PNEC         Predicted No Effect Concentration           ppm         parts per million           PVC         Polyvinylchloride           REACH         Registration, Lavation, Authorisation and Restriction of Chemicals (REGULATION (EC) No
and the constituents (specified in Secton 2 and 3). H314 Causes severe skin burns and eye damage. H360FD May damage fertility. May damage the unborn H373 May cause admage to organs through prolonged H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breath H335 May cause allergy or asthma symptoms or breath H335 May cause allergy or asthma symptoms or breath H336 May cause respiratory irritation. H331 Suspected of causing genetic defects. H331 Suspected of causing cancer. H370 Causes damage to organs.	or repeated exposure by inhalation. ing difficulties if inhaled.	NLP         No-longer-Polymer           NOEC, NOEL         No Observed Effect Concentration/Level           OECD         Organisation for Economic Co-operation and Development org.         organic           OSHA         Occupational Safety and Health Administration (USA)           PBT         persistent, bioaccumulative and toxic           PE         Polyethylene           PNEC         Predicted No Effect Concentration           ppm         parts per million           PVC         Polyvinylcholride           REACH         Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)           REACHT         Statuton, Saxax-x No. is automatically assigned, e.g. to pre-registrations without a CAS
and the constituents (specified in Section 2 and 3). H314 Causes severe skin burns and eye damage. H360PD May damage fertility. May damage the unborn H373 May cause damage to organs through prolonged H302 Harmful if swallowed. H315 Causes skin irritation. H317 May causes an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breath H335 May cause respiratory irritation. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer.	or repeated exposure by inhalation. ing difficulties if inhaled.	NLP         No-longer-Polymer           NOEC, NOEL         No Observed Effect Concentration/Level           OECD         Organisation for Economic Co-operation and Development           org.         organic           OSHA         Occupational Safety and Health Administration (USA)           PBT         persistent, bioaccumulative and toxic           PE         Polyethylene           PNCC         Predicted No Effect Concentration           pp         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)



Page 10 of 10     Safety data sheet according to Regulation (EC) No 1907/2006, Annex II     Revision date / version: 01.11.2021 / 0012     Replacing version dated / version: 27.07.2021 / 0011     Valid from: 01.11.2021     PDF print date: 01.11.2021     COSMO PL-160.120
(COSMOPUR 811)

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
UN RTDG	United Nations Recommendations on the Transport of Dangerous Goods
VOC	Volatile organic compounds
vPvB	very persistent and very bioaccumulative
wwt	wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility. These statements were made by: 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.