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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 01.11.2021 / 0007

Revision date / version: 28.07.2021 / 0006 Replacing version dated / version: 28.07.2021 / 0006 Valid from: 01.11.2021 PDF print date: 01.11.2021 COSMO PU-265.120

(COSMOPUR 805 - Härter)

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

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

#### 1.1 Product identifier

#### COSMO PU-265.120

#### (COSMOPUR 805 - Härter)

Diphenylmethanediisocyanate, isomeres and homologues Registration number (ECHA): --

EINECS, ELINCS, NLP, REACH-IT List-No.: ---

CAS: 9016-87-9

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### Relevant identified uses of the substance or mixture:

Adhesive

Sector of use [SU]: SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Uses advised against:

#### 1.3 Details of the supplier of the safety data sheet

Weiss Chemie + Technik GmbH & Co. KG

Hansastrasse 2 35708 Haiger Tel: +49 (0) 2773 / 815-0 msds@weiss-chemie.de www.weiss-chemie.de

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

#### 1.4 Emergency telephone number

Emergency information services / official advisory body:

#### Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (WIC) +1 872 5888271 (WIC)

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class	Hazard category	Hazard statement
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)





Diphenylmethanediisocyanate, isomeres and homologues CAS: 9016-87-9, Index:---

#### Danger

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.

As from 24 August 2023 adequate training is required before industrial or professional use.

#### 2.3 Other hazards

No vPvB substance No PBT substance

No substance with endocrine disrupting properties.

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

#### 3.1 Substances

Diphenylmethanediisocyanate, isomeres and	
homologues	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	
CAS	9016-87-9
content %	
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
	Eye Inft. 2, H319 Resp. 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. <sup>2</sup> , H315: >=5 % Eye Irrit. <sup>2</sup> , H319: >=5 % Resp. Sens. <sup>1</sup> , H334: >=0,1 % STOT SE <sup>3</sup> , H335: >=5 % ATE (as inhalation): 1,5 mg/l/4h

#### 3.2 Mixtures

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

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

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

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

#### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

First-aiders should ensure they are protected! Never pour anything into the mouth of an unconscious person!

Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

If the person is unconscious, place in a stable side position and consult a doctor. Respiratory arrest - Artificial respiration apparatus necessary.

#### Skin contact

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

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

Dab away with polyethylene glycol 400

#### Eye contact

Remove contact lenses.

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

Rinse the mouth thoroughly with water.

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

#### 4.2 Most important symptoms and effects, both acute and delayed

ns and effects can be found in section 11 and the absorption route in section 4.1.

If applicable delayed symptom The following may occur: Dermatitis (skin inflammation) Drying of the skin. Allergic contact eczema

Discoloration of the skin Irritant to mucosa of the nose and throat

Coughing
Headaches
Effect on the central nervous system

Asthmatic symptoms

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

Respiratory distress
In certain cases, the symptoms of poisoning may only appear after an extended period / after the symptoms of poisoning may only appear after an extended period / after the symptoms and special treat

4.3 Indication of any immediate medical attention and special treatment needed

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

Medical supervision necessary due to possibility of delayed reaction.

#### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media

Extinction powder Water jet spray

#### Unsuitable extinguishing media

#### 5.2 Special hazards arising from the substance or mixture

In case of fire the following can de

Oxides of carbon Oxides of nitrogen

Isocyanates
Hydrocyanic acid (hydrogen cyanide)

Toxic gases

Danger of bursting (explosion) when heated

#### 5.3 Advice for firefighters

For personal protective equipment see Section 8.



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In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations

#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures 6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to In case or spinage or accidental release, wear personal protective equipment a prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

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

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping.

#### 6.1.2 For emergency responders

section 8 for suitable protective equipment and material specifications.

#### 6.2 Environmental precautions

It leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities

#### 6.3 Methods and material for containment and cleaning up

eous earth, sawdust) and Soak up with absorbent material (e.g. universal binding agent, sand, diatoma dispose of according to Section 13.

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

Now to start of a few days in an unclosed container of keep moist.

Do not close packing drum.

CO2 formation in closed tanks causes pressure to rise.

#### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

#### **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### 7.1 Precautions for safe handling

#### 7.1.1 General recommendations

Ensure good ventilation. Avoid inhalation of the vanours

Avoid initialization of the valpours.

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

Avoid contact with eyes or skin.

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

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room Observe directions on label and instructions for use.

Use working methods according to operating instructions

#### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

## **7.2 Conditions for safe storage, including any incompatibilities** Keep out of access to unauthorised individuals.

Not to be stored in gangways or stair wells. Store product closed and only in original packing. Keep protected from direct sunlight and temperat Only store at temperatures from 15°C to 25°C. atures over 50°C.

Store in a dry place.

#### 7.3 Specific end use(s)

#### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

<b>®</b>	Chemical Name	Diphenylm	nethanediisocyanate, isome	eres and homologue	es	Content %:
	L-TWA: 0,02 mg/m3 (Iso	cyanates,	WEL-STEL: 0,07 mg/	m3 (Isocyanates,		
all (a	as -NCO))		all (as -NCO))			
Mon	itoring procedures:					
	GV: 1 µmol isocyanate-d		ne/mol creatinine in urine	Other information	n: Sen	
(At t	he end of the period of ex	posure)		(Isocyanates, all	(as -NCO)	))

(B) WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

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

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute

(o) = imilitation (activities) and instance (activities) and instance (activities) and instance (activities) and (activities)

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

#### (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE) 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

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

Applies only if maximum permissible exposure values are listed here. Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.
EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

#### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable Wash hands before breaks and at end of work.

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.

Skin protection - Other:

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

Respiratory protection:

Normally not necessary.

If OES or MEL is exceeded.

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

Observe wearing time limitations for respiratory protection equipment.

Additional information on hand protection - No tests have been performed.

Additional information of Final protection 1 for less have been performed in the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and

degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed

#### 8.2.3 Environmental exposure controls

## **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

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

Slightly
~ -24 °C (Drop point )

~ -24 °C (Drop point ) There is no information available on this parameter. Boiling point or initial boiling point and boiling range: Flammability:
Lower explosion limit: Flammable There is no information available on this parameter. Upper explosion limit: Flash point: Auto-ignition temperature: There is no information available on this parameter. There is no information available on this parameter. 500 °C (DIN 51794) There is no information available on this parameter.

Comparison information available on this parameter. Substance reacts with water. ~200 mPas (25°C, DIN 53211, Dynamic viscosity ) Insuluble pH: Kinematic viscosity:

Ninematic viscosity:
Solubility:
Partition coefficient n-octanol/water (log value):
Vapour pressure: There is no information available on this parameter.

There is no information available on this parameter.

-1 hPa (20°C, Regulation (EC) 440/2008 A.4.

(VAPOUR PRESSURE))

1,24 g/ml (20°C, DIN 51757)

There is no information available on this parameter.

Does not apply to liquids. Density and/or relative density: Relative vapour density: Particle characteristics:

9.2 Other information Product is not explosive

Oxidising liquids: Bulk density:

# **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

Decomposition temperature:

# 10.2 Chemical stability Stable with proper storage and handling. 10.3 Possibility of hazardous reactions

Alcohols Amines

Bases

Acids

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

#### Pressure increase will result in danger of bursting. 10.4 Conditions to avoid

See also section 7.
Protect from humidity.
Polymerisation due to high heat is possible.
T > 260°C

#### 10.5 Incompatible materials

Acids

Bases

Amines Alcohols



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# **10.6 Hazardous decomposition products** See also section 5.2 No decomposition when used as directed.

## **SECTION 11: Toxicological information**

Diphenylmethanediiso						
Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/k g	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>5000	mg/k g	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	0,31	mg/l/ 4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol, Does not conform with EU classificat n.
Acute toxicity, by inhalation:	ATE	1,5	mg/l/ 4h			Expert judgemen
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio n)	Skin Irrit. 2
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosio n)	Not irritan Analogous conclusion Does not conform with EU classificat
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph	n. Yes (skin contact), Analogous
Respiratory or skin				Guinea	Node Assay) OECD 406 (Skin	No (skin
sensitisation:				pig	Sensitisation)	contact)
Respiratory or skin sensitisation:				Rat		Yes (inhalation
Germ cell mutagenicity:				Rat	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative, Analogous conclusion
Germ cell mutagenicity:				Salmonel la typhimuri um	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Carcinogenicity:						n.d.a.
Reproductive toxicity: Carcinogenicity:				Rat	OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies)	n.d.a.  Aerosol, Limited evidence of a carcinoge c effect.
Reproductive toxicity:	NOAE L	4	mg/m 3	Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Aerosol, Negative
Specific target organ toxicity - repeated exposure (STOT-RE):	LOAE L	1		Rat	OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies)	Aerosol, Analogous conclusion
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAE L	0,2		Rat	OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies)	Aerosol, Analogous conclusion
Aspiration hazard: Aspiration hazard:						Negative n.d.a.
Symptoms: Endocrine disrupting						n.d.a. n.d.a.
properties: Other information:			-			n.d.a.
Oriter information. Specific target organ toxicity - single exposure (STOT-SE), inhalative:						Target organ(s): respiratory system, May cause respiratory irritation.
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:						Target organ(s): respiratory system, Positive

#### 11.2. Information on other hazards

11.2. Illioillation	on ounci	nazaras				
Diphenylmethanediiso	cyanate, iso	meres and h	omologue	es		
Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes
	int			m		
Endocrine disrupting						n.d.a.
properties:						

Other information:				No other
				relevant
				information
				available
				on adverse
				effects on
		1		health

#### **SECTION 12: Ecological information**

Diphenylmethane Toxicity / effect	Endpoin	Tim	Valu	Unit	Organism	Test	Notes
Other organisms:	t NOEC/N	<b>e</b> 14d	<b>e</b> >10	mg/k	Avena sativa	method OECD 208	
Other organisms.	OEL	140	00	g g	Aveila Saliva	(Terrestrial	
				9		Plants,	
						Growth	
10.1 Taviaituta	LCEO	96h	. 10		Drochudonio	Test) OECD 203	
12.1. Toxicity to fish:	LC50	9611	>10 00	mg/l	Brachydanio rerio	(Fish, Acute	
					10.10	Toxicity	
						Test)	
12.1. Toxicity to	NOEC/N OEL	21d	>10	mg/l	Daphnia	OECD 202 (Daphnia	
daphnia:	OEL				magna	sp. Acute	
						Immobilisati	
10.1 T 1.11.	5050					on Test)	
12.1. Toxicity to daphnia:	EC50	24h	>10 00	mg/l	Daphnia magna	OECD 202 (Daphnia	
аартта.			00		magna	sp. Acute	
						Immobilisati	
12.1 Tovinitita	ErCF0	704	-40	mc/l	Coopedaan	on Test)	
12.1. Toxicity to algae:	ErC50	72h	>16 40	mg/l	Scenedesm us	OECD 201 (Alga,	
					subspicatus	Growth	
					'	Inhibition	
12.2		20-1		0/	a ativata d	Test)	Net
12.2. Persistence and		28d	0	%	activated sludge	OECD 302 C (Inherent	Not biodeg
degradability:					Juago	Biodegradab	ble,
- ,						ility -	Accord
						Modified MITI Test	to experie
						(II))	availab
						. "	to date
							polycai
							ide is ii and no
							degrad
							., With
							water a
							the
							interfac transfo
							slowly
							formati
							of CO2 into a f
							insolub
							reactio
							produc
							with a l
							point
							(polyca
12.3.	DOE	42d	<14		O market a	OECD 305	mide).
Bioaccumulative	BCF	420	<14		Cyprinus carpio	(Bioconcentr	Not to l
potential:					Carpio	ation - Flow-	СХРССС
						Through	
40.4 Makiller in						Fish Test)	m -1 -
12.4. Mobility in soil:							n.d.a.
12.5. Results of							Negativ
PBT and vPvB							-
assessment 12.6. Endocrine							n.d.a.
disrupting							11.u.a.
properties:							
12.7. Other							n.d.a.
adverse effects:	ECEO	3h	<b>&gt;10</b>	ma/l	activated	OECD 200	
Toxicity to bacteria:	EC50	3h	>10 0	mg/l	activated sludge	OECD 209 (Activated	
			'		" "	Sludge,	
						Respiration	
						Inhibition Test	
						(Carbon	
						and	
						Ammonium	
Other organisms:	NOEC/N	14d	-40	mc/l·	Loctuce	Oxidation))	
orier organisms:	NOEC/N OEL	140	>10 00	mg/k g	Lactuca sativa	OECD 208 (Terrestrial	
	OLL		55	Э	Janva	Plants,	
						Growth	
		4	>10		Lumb	Test)	
			10	mg/k	Lumbricus	OECD 207	
Toxicity to	NOEC/N	14d					
Toxicity to annelids:	NOEC/N OEL	140	00	g	terrestris	(Earthworm, Acute	

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

13.1 Waste treatment methods
For the substance / mixture / residual amounts
EC disposal code no.:
The waste codes are recommendations based on the scheduled use of this product.
Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)
08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances
08 05 01 waste isocyanates
Recommendation:



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Sewage disposal shall be discouraged.
Pay attention to local and national official regulations.

E.g. suitable incineration plant.

Hardened product:

E.g. dispose at suitable refuse site

For contaminated packing material

Pay attention to local and national official regulations. Empty container completely. Uncontaminated packaging can be recycled.

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

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

#### **SECTION 14: Transport information**

**General statements** 

14.1. UN number or ID number n.a.

Transport by road/by rail (ADR/RID)

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

14.5. Environmental hazards: Not applicable

Tunnel restriction code

Transport by sea (IMDG-code)

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

Transport by air (IATA)

14.2. UN proper shipping name:
14.3. Transport hazard class(es): n.a.

14.4. Packing group: 14.5. Environmental hazards: Not applicable

14.6. Special precautions for user

s for safe transport must be followed

14.7. Maritime transport in bulk according to IMO instruments
Non-dangerous material according to Transport Regulations.

#### **SECTION 15: Regulatory information**

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

Observe restrictions:

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)!
Regulation (EC) No 1907/2006, Annex XVII

Diphenylmethanediisocyanate, isomeres and homologues

Comply with national regulations/laws governing maternity protection (national implementation of the Directive

Comply with trade association/occupational health regulations Directive 2010/75/EU (VOC):

15.2 Chemical safety assessment

No chemical safety assess

#### **SECTION 16: Other information**

These details refer to the product as it is delivered.

These details refer to the product as it is delivered. Employee instruction/fraining in handling hazardous materials is required. The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3). H373 May cause damage to organs through prolonged or repeated exposure by inhalation. H315 Causes skin irritation. H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation. H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.

Acute Tox. — Acute toxicity - inhalation

Acute 1 ox. — Acute toxicity - innalation
Eye Irrit. — Eye irritation
STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation
Skin Irrit. — Skin irritation
Resp. Sens. — Respiratory sensitization
Skin Sens. — Skin sensitization

Skin Sens. — Skin Sensinganon
Carc. — Carcinogenicity
STOT RE — Specific target organ toxicity - repeated exposure

#### Key literature references and sources

for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended. Guidelines for the preparation of safety data sheets as amended (ECHA). Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances

Safety data sheets to file consider Subsances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to wa (Germany).

(Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

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

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

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (=

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

AOX Adsorbable organic halogen compounds

approx.
Art., Art. no.
ASTM
ATE
BAM

Adsorbable of Marian Hardy Compounds approximately

Article number

ASTM International (American Society for Testing and Materials)

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

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

and Safety, BCF Germany)
Bioconcentration factor

BSEF The International Bromine Council

bw CAS CLP body weight Chemical Abstracts Service

Chemical Abstracts Service
(classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, d packaging of substances and mixtures) carcinogenic, mutagenic, reproductive toxic
Derived Minimum Effect Level

labelling a CMR DMEL DNEL Derived No Effect Level

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

(algae, plants)

European Community

ECHA European Chemicals Agency

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

**ELINCS** European List of Notified Chemical Substances

ΕN European Norms

European Norms

United States Environmental Protection Agency (United States of America)

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

Ethylene-vinyl alcohol copolymer

Fax. gen. GHS GWP

Early in a control copolyment Fax number general Globally Harmonized System of Classification and Labelling of Chemicals

Global warming potential Koc Adsorption coefficient of organic carbon in the soil Assorption Coefficient or organic carbon in the soil octanol-water partition coefficient IARC International Agency for Research on Cancer IATA International Air Transport Association International Bulk Chemical (Code) International Maritime Code for Dangerous Goods International Maritime Code for Dangerous Goods

incl. including, inclusive IUCLID

International Uniform Chemical Information Database International Union for Pure Applied Chemistry Lethal Concentration to 50 % of a test population Lethal Dose to 50% of a test population (Median Lethal Dose) IUPAC LC50 LD50

Log Koc Logarit Log Kow, Log Pow LQ Limited Logarithm of adsorption coefficient of organic carbon in the soil Logarithm of octanol-water partition coefficient

Limited Quantities International Convention for the Prevention of Marine Pollution from Ships not applicable

MARPOL n.a. n.av. not available n.c. not checked n.d.a no data available

NIOSH NLP

National Institute for Occupational Safety and Health (USA)
No-longer-Polymer
L No Observed Effect Concentration/Level
Organisation for Economic Co-operation and Development NOEC, NOEL OECD C org. OSHA organic Occupational Safety and Health Administration (USA)

persistent, bioaccumulative and toxic
Polyethylene
Predicted No Effect Concentration PBT

PE PNEC

ppm PVC parts per million

Polyvinylchloride

PVC Polyvnylchlonde
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No
1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS
No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

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

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

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VOC

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

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

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

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