Plastic repair 'fast' (25sec.) beige - 50ml PREPOLYMER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Revision date: 4/19/2018

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

1.1. Product identifier

Product form	:	Mixture
Trade name	:	Plastic repair 'fast' (25sec.) beige - 50ml PREPOLYMER
UFI		DQTV-9SJG-UD9R-6FY7
Product code	:	PLI 01 - PREPOLYMER

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Adhesives, sealants

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Chemicar Europe NV
Baarbeek 2
2070 Zwijndrecht
T +32 (0) 3 234 87 80 - F +32 (0) 3 234 87 89
info@chemicar.eu

1.4. Emergency telephone number

Emergency number : +32 (0) 3 760 08 09

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (inhal.), Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Respiratory sensitisation, Category 1	H334
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335
May cause damage to organs through prolonged or repeated exposure Specific target organ toxicity - repeated exposure, Category 2	H373
May cause damage to organs through prolonged or repeated exposure if inhaled.. Specific target organ toxicity - repeated exposure, Category 2, Respiratory Tract	H373

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS07 GHS08

Signal word (CLP) : Danger

Contains : 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; Methylenediphenyldiisocyanate, isomers and homologues; DIPHENYLMETHANE DIISOCYANATE HOMOPOLYMER; Reaction mass of 4,4'-methylenediphenyldiisocyanate and o-(pisocyanatobenzyl)phenylisocyanate; Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alpha.,.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]]; POLYMERIC MDI (EXCESS) + POLYPROPYLENE GLYCOL; MDI (EXCESS) + POLYPROPYLENE GLYCOL; Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-hydroxy-, polymer with 1,1'-methylenebis[4-isocyanatobenzene]

Hazard statements (CLP) : H332 - Harmful if inhaled.
H315 - Causes skin irritation.
H319 - Causes serious eye 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.
H335 - May cause respiratory irritation.
H373 - May cause damage to organs (in case of prolonged or repeated exposure) through prolonged or repeated exposure (when inhaled).

Precautionary statements (CLP) : P201 - Obtain special instructions before use.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTRE or doctor if you feel unwell.
P308+P313 - IF exposed or concerned: Get medical advice/attention.

EUH-statements : EUH204 - Contains isocyanates. May produce an allergic reaction.

Scandinavian countries regulation

Denmark

MAL code : 00-3

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Methylenediphenyldiisocyanate, isomers and homologues	(CAS-No.) 9016-87-9 (EC-No.) 618-498-9	15 – 20	Acute Tox. 4 (Inhalation), H332 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
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate	(CAS-No.) 101-68-8 (EC-No.) 202-966-0 (EC Index-No.) 615-005-00-9	10 – 15	Carc. 2, H351 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317
TALC	(CAS-No.) 14807-96-6 (EC-No.) 238-877-9	10 – 15	Not classified
DIPHENYLMETHANE DIISOCYANATE HOMOPOLYMER	(CAS-No.) 25686-28-6	10 – 15	Acute Tox. 1 (Oral), H300 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317
POLYMERIC MDI (EXCESS) + POLYPROPYLENE GLYCOL	(CAS-No.) 53862-89-8	10 – 15	Acute Tox. 4 (Inhalation), H332 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
Reaction mass of 4,4'-methylenediphenyldiisocyanate and o-(pisocyanatobenzyl)phenylisocyanate		5 – 10	Acute Tox. 4 (Inhalation), H332 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
MDI (EXCESS) + POLYPROPYLENE GLYCOL	(CAS-No.) 9048-57-1	5 – 10	Acute Tox. 4 (Inhalation), H332 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

Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]]	(CAS-No.) 57029-46-6	3 – 5	Acute Tox. 4 (Inhalation), H332 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
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-hydroxy-, polymer with 1,1'-methylenebis[4-isocyanatobenzene]	(CAS-No.) 52409-10-6	1 – 2.5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits**
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate	(CAS-No.) 101-68-8 (EC-No.) 202-966-0 (EC Index-No.) 615-005-00-9	(0.1 ≤C < 100) Resp. Sens. 1, H334 (5 ≤C < 100) Eye Irrit. 2, H319 (5 ≤C < 100) Skin Irrit. 2, H315 (5 ≤C < 100) STOT SE 3, H335

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Keep victim under observation. If you feel unwell, seek medical advice (show the label where possible). Move the affected person away from the contaminated area and into the fresh air. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. In case of loss of conscience place the victim in the recovery position. Keep victim warm and rested.

First-aid measures after skin contact : Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Rinse with plenty of water. Take off immediately all contaminated clothing and wash it before reuse.

First-aid measures after eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Contact lenses should be removed. Protect undamaged eye.

First-aid measures after ingestion : Obtain medical assistance. Do not give milk. If symptoms persist call a doctor. Do not give an unconscious person anything to drink.

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

Symptoms/effects : May cause respiratory irritation. Symptoms of ingestion include drowsiness, weakness, headache, dizziness, nausea, vomiting. Cough. Risk of lung oedema. Difficulty in breathing.

Symptoms/effects after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : May cause severe irritation.

Chronic symptoms : Suspected carcinogen. May cause damage to organs ({0|message=<or state all organs affected, if known>|filter=^(_)?ORGAN_.+}) ({1|message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>|filter=^(_)?H371_EXP_ROUTE_.+}).

4.3. Indication of any immediate medical attention and special treatment needed

No hazards which require special first aid measures.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water fog. foam. carbon dioxide (CO2). Dry powder. Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Heating may cause a fire or explosion. The vapours are denser than air and may travel along the ground. Distance ignition possible. Vapours may cause fire/explosion if source of ignition is present.

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Isocyanates. Hydrocarbons. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx).

5.3. Advice for firefighters

Precautionary measures fire : Wear suitable protective clothing, gloves and eye/face protection.

Protection during firefighting : Wear recommended personal protective equipment.

Other information : Prevent fire fighting water from entering the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear personal protective equipment. Ensure adequate air ventilation. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Warn all persons not to touch damaged packages or spilled material.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Take up liquid spill into inert absorbent material. Use appropriate container to avoid environmental contamination.

6.4. Reference to other sections

See Heading 8. SECTION 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Provide good ventilation in process area to prevent formation of vapour. Do not breathe vapours.

Precautions for safe handling : Do not eat, drink or smoke when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. Do not breathe vapours.

Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Store in a dry place. Store in a closed container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits		
Methylenediphenyldiiso cyanate, isomers and homologues (9016-87-9)		
Value type (Form of exposure)	**Control parameters**	**Basis**
TWA	0,02 mg/m3 (NCO)	GB EH40
4,4'-Methylenediphenyl diisocyanate (101-68-8)		
STEL TWA STEL	0,07 mg/m3 (NCO) 0,02 mg/3 (NCO) 0,07 mg/m3 (NCO)	GB EH40 GB EH40 GB EH40
Talc (14807-96-6)		
Value type (Form of exposure)	**Control parameters**	**Basis**
TWA (Respirable dust)	1mg/m3 Respirable dust	GB EH40
Biological occupational exposure limits		
POLYMETHYLENE POLYPHENYL ISOCYANATE (9016-87-9)		
Control parameters	**Sampling time**	**Basis**
urinary diamine: 1 µmol/mol creatinine (Urine)	Post task	GB EH40 BAT
4,4'- DIPHENYLMETHANE DIISOCYANATE (101-68-8)		
urinary diamine: 1 µmol/mol creatinine (Urine)	Post task	GB EH40 BAT

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:	
DIPHENYLMETHANE DIISOCYANATE HOMOPOLYMER	
Aquatic (marine water) Aquatic (freshwater) Sewage treatment plant Aquatic (intermit. Relaeses) Sol	Value: 0,1 mg/l Value: 1 mg/l Value: 1 mg/l Value: 10 mg/l Value:1 mg/kg

8.2. Exposure controls

Appropriate engineering controls:
Provide local exhaust or general room ventilation.

Hand protection:
Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber, Butyl rubber				

Eye protection:
Safety glasses

Skin and body protection:
Impermeable clothing. Chemical resistant safety shoes

Respiratory protection:
Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	beige
Odour	:	No data available
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	< 1
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	> 200 °C
Flash point	:	203 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	< 0.01333 hPa
Relative vapour density at 20 °C	:	> 1
Relative density	:	No data available
Solubility	:	practically insoluble.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	≈ 20000 Pa·s
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Do not allow water (or moist air) contact with this material. Moisture. Keep away from (strong) acids. Keep away from alcohols. Alkene. AMMONIA SOLUTION. Copper and its alloys. Iron. Strong alkalis. Zinc. Aluminium.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Hydrocarbon. Isocyanates. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Harmful if inhaled.

Plastic repair 'fast' (25sec.) black - 50ml PREPOLYMER	
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.

Reproductive toxicity : Not classified

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : May cause damage to organs (in case of prolonged or repeated exposure) through prolonged or repeated exposure (when inhaled).

Aspiration hazard : Not classified

Acute toxicity Harmful if inhaled.		
Methylenediphenyldiisocyanate, isomers and homologues		
Acute oral toxicity	LD50 (Rat): > 10.000 mg/kg	
Acute inhalation toxicity	LC50 (Rat): > 2,24 mg/l	Exposure time: 1 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The component/mixture is classified as acute inhalation toxicity, category 4.
Acute dermal toxicity	LD50 (Rabbit): > 10.000 mg/kg	
DIPHENYLMETHANE DIISOCYANATE HOMOPOLYMER		
Acute oral toxicity	LD50 (Rat): > 5.000 mg/kg	Method: OECD Test Guideline 425 GLP: yes
Acute inhalation toxicity	(Rabbit): > 9.400 mg/kg	Remarks: Information given is based on data obtained from similar substances.
POLYMERIC MDI (EXCESS) + POLYPROPYLENE GLYCOL		
Acute oral toxicity	LD50 (Rat): > 10.000 mg/kg	
Acute inhalation toxicity	LC50 (Rat): > 2,24 mg/l	Exposure time: 1 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The component/mixture is classified as acute inhalation toxicity, category 4
Acute dermal toxicity	LD50 (Rabbit): > 10.000 mg/kg	
4,4'-Methylenediphenyl diisocyanate		
Acute oral toxicity	LD50 (Rat): 9.200 mg/kg	

Acute inhalation toxicity	LC50 (Rat): 0,369 mg/l	Exposure time: 4 h
	LC50 (Rat): > 2,24 mg/l	Exposure time: 1 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The component/mixture is classified as acute inhalation toxicity, category 4.
Acute dermal toxicity	LD50 (Rabbit): > 7.900 mg/kg	
MDI (EXCESS) + POLYPROPYLENE GLYCOL		
Acute oral toxicity	LD50 (Rat): 9.200 mg/kg	
Acute inhalation toxicity	LC50 (Rat): 0,369 mg/l	Exposure time: 4 h
	LC50 (Rat): > 2,24 mg/l	Exposure time: 1 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The component/mixture is classified as acute inhalation toxicity, category 4
Acute dermal toxicity	LD50 (Rabbit): > 7.900 mg/kg	
Reaction mass of 4,4'-methylenediphenyldiisocyanate and o-(pisocyanatobenzyl)phenylisocyanate		
Acute oral toxicity	LD50 (Rat): > 2.000 mg/kg	Remarks: Based on a similar product formulation.
Acute inhalation toxicity	LC50 (Rat): 490 mg/m3	Exposure time: 4 h Remarks: Aerosol Based on a similar product formulation.
Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alpha.,.alpha.',.alpha."-1,2,3- propanetriyltris[.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]]		
Acute oral toxicity	LD50 (Rat): > 10.000 mg/kg	
Acute inhalation toxicity	LC50 (Rat): > 2,24 mg/l	Exposure time: 1 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The component/mixture is classified as acute inhalation toxicity, category 4.
Acute dermal toxicity	LD50 (Rabbit): > 10.000 mg/kg	
Talc		
Acute oral toxicity	LD50 (Rat): > 5.000 mg/kg	Method: OECD Test Guideline 423

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Methylenediphenyldiisocyanate, isomers and homologues		
Toxicity to fish	LC50 (Oryzias latipes (Orange-red killifish)): > 3.000 mg/l	Exposure time: 96 h Test Type: semi-static test
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 100 mg/l	Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: > 10 mg/l	Exposure time: 21 d End point: Reproduction Test Species: Daphnia magna (Water flea) Test Type: semi-static test Method: OECD Test Guideline 211

DIPHENYLMETHANE DIISOCYANATE HOMOPOLYMER		
Toxicity to fish	LC50 (Oryzias latipes (Japanese medaka)): > 3.000 mg/l	Exposure time: 96 h Test Type: semi-static test Remarks: Information given is based on data obtained from similar substances.
Toxicity to daphnia and other aquatic invertebrates	(Daphnia magna (Water flea)): > 1.000 mg/l	Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202 Remarks: Information given is based on data obtained from similar substances.
Toxicity to algae	NOEC (Desmodesmus subspicatus (green algae)): 1.640 mg/l	End point: Growth inhibition Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 Remarks: Information given is based on data obtained from similar substances.
POLYMERIC MDI (EXCESS) + POLYPROPYLENE GLYCOL		
Toxicity to fish	LC50 (Oryzias latipes (Orange-red killifish)): > 3.000 mg/l	Exposure time: 96 h Test Type: semi-static test
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 100 mg/l	Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: > 10 mg/l	Exposure time: 21 d End point: Reproduction Test Species: Daphnia magna (Water flea) Test Type: semi-static test Method: OECD Test Guideline 211
4,4'-Methylenediphenyl diisocyanate		
Toxicity to fish	LC50 (Oryzias latipes (Orange-red killifish)): > 3.000 mg/l	Exposure time: 96 h. Test Type: semi-static test Remarks: Information given is based on data obtained from similar substances.
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 100 mg/l	Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202 Remarks: Information given is based on data obtained from similar substances.
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: > 10 mg/l	Exposure time: 21 d End point: Reproduction Test Species: Daphnia magna (Water flea) Test Type: semi-static test Method: OECD Test Guideline 211 Remarks: Information given is based on data obtained from similar substances.
MDI (EXCESS) + POLYPROPYLENE GLYCOL		
Toxicity to fish	LC50 (Oryzias latipes (Orange-red killifish)): > 3.000 mg/l	Exposure time: 96 h Test Type: semi-static test Remarks: Information given is based on data obtained from similar substances.
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 100 mg/l	Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202 Remarks: Information given is based on data obtained from similar substances
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: > 10 mg/l	Exposure time: 21 d End point: Reproduction Test Species: Daphnia magna (Water flea) Test Type: semi-static test Method: OECD Test Guideline 211 Remarks: Information given is based on data obtained from similar substances
Reaction mass of 4,4'-methylenediphenyldiisocyanate and o-(pisocyanatobenzyl)phenylisocyanate		
Toxicity to fish	LC0 (Danio rerio (zebra fish)): > 1 mg/l	Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 1 mg/l	Exposure time: 24 h Method: OECD Test Guideline 202
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	EC50 (activated sludge): > 100 mg/l	Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: Based on a similar product formulation.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Prevent entry to sewers and public waters. Use appropriate container to avoid environmental contamination. Disposal must be done according to official regulations. This material and its container must be disposed of in a safe way, and as per local legislation.

Additional information : Do not re-use empty containers. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN
14.1. UN number			
Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

14.6. Special precautions for user

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Netherlands

SZW-lijst van kankerverwekkende stoffen	:	None of the components are listed
SZW-lijst van mutagene stoffen	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	None of the components are listed

Denmark

Danish National Regulations	:	Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material The requirements from the Danish Working Environment Authorities regarding work with epoxy resins and isocyanates must be observed during use and disposal The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 1 (Oral)	Acute toxicity (oral), Category 1
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H300	Fatal if swallowed.
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.
H373	May cause damage to organs through prolonged or repeated exposure.
EUH204	Contains isocyanates. May produce an allergic reaction.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.