

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

1.1. Product identifier

Product form : Mixture
 Product name : PUVB 02 / QC PU-VERTICAL BINDER

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 : binder for quartz carpet

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Sidec
 Industrieweg 10
 2490 Balen - BELGIE
 T +32 14 81 50 01
safety@sidec.be - www.sidec.eu

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Belgium	Centre Anti-Poisons/Antigifocentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+32 70 245 245	Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Reproductive toxicity, Category 1B H360
 Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
 Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Toxic if inhaled. Causes skin irritation. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. May cause respiratory irritation. Harmful to aquatic life with long lasting effects. May damage fertility or the unborn child. Harmful if inhaled.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

GHS07

Signal word (CLP) : Danger

Contains : Dibutyltin dilaurate

PUVB 02 / QC PU-VERTICAL BINDER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Hazard statements (CLP)	: H360 - May damage fertility or the unborn child. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P308+P313 - IF exposed or concerned: Get medical advice/attention. P405 - Store locked up.
EUH-statements	: EUH208 - Contains p-toluenesulphonyl isocyanate, Reaction mass of 1-Hexanol, 2-ethyl-, reaction products with 1,6-diisocyanatohexane and Hexane, 1,6-diisocyanato-, homopolymer, Hexamethylene diisocyanate, oligomers, hexamethylene-di-isocyanate. May produce an allergic reaction.

2.3. Other hazards

Other hazards which do not result in classification : None, to our knowledge.

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]
Reaction mass of 1-Hexanol, 2-ethyl-, reaction products with 1,6-diisocyanatohexane and Hexane, 1,6-diisocyanato-, homopolymer	EC-No.: 939-549-4 REACH-no: 01-2119980939-13	65 – 80	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Skin Sens. 1B, H317 STOT SE 3, H335
Hexamethylene diisocyanate, oligomers	CAS-No.: 28182-81-2 EC-No.: 931-274-8 REACH-no: 01-2119485796-17	8 – 22	Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 STOT SE 3, H335
Dibutyltin dilaurate	CAS-No.: 77-58-7 EC-No.: 201-039-8 EC Index-No.: 050-030-00-3 REACH-no: 01-2119496068-27	0,86 – 0,87	Eye Irrit. 2, H319 Muta. 2, H341 Repr. 1B, H360 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
p-toluenesulphonyl isocyanate	CAS-No.: 4083-64-1 EC-No.: 223-810-8 EC Index-No.: 615-012-00-7 REACH-no: 01-2119980050-47	0,25 – 0,3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Chronic 3, H412
Hexamethylene-1,6-diisocyanate	CAS-No.: 822-06-0 EC-No.: 212-485-8 EC Index-No.: 615-011-00-1 REACH-no: 01-2119457571-37	< 0,09	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335

PUVB 02 / QC PU-VERTICAL BINDER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Specific concentration limits		
Name	Product identifier	Specific concentration limits
p-toluenesulphonyl isocyanate	CAS-No.: 4083-64-1 EC-No.: 223-810-8 EC Index-No.: 615-012-00-7 REACH-no: 01-2119980050-47	(5 ≤C < 100) Skin Irrit. 2, H315 (5 ≤C < 100) STOT SE 3, H335 (5 ≤C < 100) Eye Irrit. 2, H319
Hexamethylene-1,6-diisocyanate	CAS-No.: 822-06-0 EC-No.: 212-485-8 EC Index-No.: 615-011-00-1 REACH-no: 01-2119457571-37	(0,5 ≤C < 100) Skin Sens. 1, H317 (0,5 ≤C < 100) Resp. Sens. 1, H334

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Remove contaminated clothes.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Gently wash with plenty of soap and water.
First-aid measures after eye contact	: Consult an eye specialist. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.
First-aid measures after ingestion	: Rinse mouth. Drink plenty of water. Immediately call a POISON CENTER or doctor.

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

No additional information available

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

In all cases of doubt, or when symptoms persist, seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : extinguishing powder. Foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic vapours are released.

5.3. Advice for firefighters

Protection during firefighting : Positive pressure self-contained breathing apparatus (SCBA).
Other information : Provision to contain effluent from fire extinguishing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

PUVB 02 / QC PU-VERTICAL BINDER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

6.2. Environmental precautions

Prevent entry to sewers and public waters. Prevent soil and water pollution.

6.3. Methods and material for containment and cleaning up

For containment : Large amounts: Pump up the product into a suitably labelled spare container.
Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

6.4. Reference to other sections

Concerning disposal elimination after cleaning, see section 13. Concerning personal protective equipment to use, see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide earthing.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible products : Paper and cardboard.
Storage area : Store in a dry, cool area.
Special rules on packaging : Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

p-toluenesulphonyl isocyanate (4083-64-1)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	0,02 mg/m ³
WEL STEL (OEL STEL)	0,07 mg/m ³
Dibutyltin dilaurate (77-58-7)	
Belgium - Occupational Exposure Limits	
OEL TWA	0,1 mg/m ³
OEL STEL	0,2 mg/m ³
France - Occupational Exposure Limits	
VME (OEL TWA)	0,1 mg/m ³
VLE (OEL C/STEL)	0,2 mg/m ³
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	0,1 mg/m ³
WEL STEL (OEL STEL)	0,2 mg/m ³
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	0,1 mg/m ³
ACGIH OEL STEL	0,2 mg/m ³

PUVB 02 / QC PU-VERTICAL BINDER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Hexamethylene-1,6-diisocyanate (822-06-0)	
Belgium - Occupational Exposure Limits	
OEL TWA	0,034 mg/m ³ (Hexamethylene diisocyanate; Belgium; Time weighted average 8h)
OEL TWA [ppm]	0,005 ppm (Hexamethylene diisocyanate; Belgium; Time weighted average 8h)
France - Occupational Exposure Limits	
VME (OEL TWA)	0,075 mg/m ³ (Diisocyanate d'hexaméthylène; Frankrijk; Tijdsgewogen gemiddelde 8u; VL: Valeur non réglementaire indicative)
VME (OEL TWA) [ppm]	0,01 ppm (Diisocyanate d'hexaméthylène; Frankrijk; Tijdsgewogen gemiddelde 8u; VL: Valeur non réglementaire indicative)
VLE (OEL C/STEL)	0,15 mg/m ³ Diisocyanate d'hexaméthylène; Frankrijk; Kortetijds waarde; VL: Valeur non réglementaire indicative; (5min)
VLE (OEL C/STEL) [ppm]	0,02 ppm Diisocyanate d'hexaméthylène; Frankrijk; Kortetijds waarde; VL: Valeur non réglementaire indicative; (5min)
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	0,02 mg/m ³ Isocyanates, all (as -NCO) Except methyl isocyanate; Verenigd Koninkrijk; Tijdsgewogen gemiddelde 8u; Workplace exposure limit (EH40/2005)
WEL STEL (OEL STEL)	0,07 mg/m ³ Isocyanates, all (as -NCO) Except methyl isocyanate; Verenigd Koninkrijk; Kortetijds waarde; Workplace exposure limit (EH40/2005)
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	0,005 ppm (Hexamethylene diisocyanate; USA; Time Weighted Average 8h; TLV - Adopted Value)

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Avoid contact with skin and eyes. Do not breathe dust. Provide adequate ventilation to minimize dust concentrations.

8.2.2. Personal protection equipment

Personal protective equipment:

Dust formation: dust mask. Gloves. Protective goggles.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Protective goggles. EN 166

PUVB 02 / QC PU-VERTICAL BINDER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing, like: Chemical resistant apron. Boots

Hand protection:

Wear suitable gloves tested to EN374. (>=30 min). Breakthrough time : refer to the recommendations of the supplier. Recommended materials. Butyl rubber gloves. (>= 7 mm)

8.2.2.3. Respiratory protection

Respiratory protection:

Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Cloudy.
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,05 – 1,15 kg/l
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
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

To our knowledge, the product does not present any particular risk, under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

PUVB 02 / QC PU-VERTICAL BINDER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

10.3. Possibility of hazardous reactions

water, amines and alcohol's.

10.4. Conditions to avoid

Water, humidity.

10.5. Incompatible materials

water, amines and alcohol's.

10.6. Hazardous decomposition products

None under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

PUVB 02 / QC PU-VERTICAL BINDER

LD50 oral rat	> 2000 mg/kg
LC50 Inhalation - Rat	0,1 – 0,5 mg/l/4h

p-toluenesulphonyl isocyanate (4083-64-1)

LD50 oral rat	2330 mg/kg bodyweight (Equivalent to or corresponding to OECD 401, Rat, Male / Female, Read-across, Oral)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24h, Rat, Male / Female, Read-across, Skin)

Dibutyltin dilaurate (77-58-7)

LD50 oral rat	2071 mg/kg bodyweight (Equivalent to or corresponding to OECD 401, Rat, Male / Female, Experimental value, Oral, 14 day (s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24h, Rat, Male / Female, Experimental Value, Dermal, 14 day (s))

Reaction mass of 1-Hexanol, 2-ethyl-, reaction products with 1,6-diisocyanatohexane and Hexane, 1,6-diisocyanato-, homopolymer

LC50 Inhalation - Rat	0,264 mg/l/4h
-----------------------	---------------

Hexamethylene-1,6-diisocyanate (822-06-0)

LD50 oral rat	745 mg/kg
LD50 dermal rat	> 7000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24h, Rat, Male / Female, Experimental Value, Dermal, 14 day (s))
LC50 Inhalation - Rat	0,31 mg/l/4h
LC50 Inhalation - Rat [ppm]	45 ppm/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : May damage fertility or the unborn child.
STOT-single exposure : Not classified

PUVB 02 / QC PU-VERTICAL BINDER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

p-toluenesulphonyl isocyanate (4083-64-1)	
STOT-single exposure	May cause respiratory irritation.
Reaction mass of 1-Hexanol, 2-ethyl-, reaction products with 1,6-diisocyanatohexane and Hexane, 1,6-diisocyanato-, homopolymer	
STOT-single exposure	May cause respiratory irritation.
Hexamethylene diisocyanate, oligomers (28182-81-2)	
STOT-single exposure	May cause respiratory irritation.
Hexamethylene-1,6-diisocyanate (822-06-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Dibutyltin dilaurate (77-58-7)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

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) : Harmful to aquatic life with long lasting effects.

PUVB 02 / QC PU-VERTICAL BINDER	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l
p-toluenesulphonyl isocyanate (4083-64-1)	
LC50 - Fish [1]	> 45 mg/l (OECD 203: Fish: acute toxicity study, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Acute Immobilization Study at Daphnia sp., 48 h, Daphnia magna, Static System, Fresh Water, Experimental Value)
ErC50 algae	30 mg/l (OECD 201: Algae: growth inhibition study, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value)
Dibutyltin dilaurate (77-58-7)	
LC50 - Fish [1]	3,1 mg/l
EC50 - Crustacea [1]	< 463 µg/l (OECD 202: Acute Immobilization Study at Daphnia sp., 48 h, Daphnia magna, Static System, Fresh Water, Experimental Value, Movement)
ErC50 algae	> 1 mg/l (OECD 201: Algae: growth inhibition study, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Tin)
Hexamethylene-1,6-diisocyanate (822-06-0)	
LC50 - Fish [1]	22 mg/l (LC0; Other; 96 h; Brachydanio rerio; Static system)
LC50 - Fish [2]	31 mg/l (LC100; Other; 96 h; Brachydanio rerio; Static system)
EC50 - Crustacea [1]	< 0,33 mg/l (EC0; Other; 24h; Daphnia magna; Static system)

PUVB 02 / QC PU-VERTICAL BINDER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Hexamethylene-1,6-diisocyanate (822-06-0)	
EC50 72h - Algae [1]	> 77,4 mg/l (EU method C.3, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Growth rate)

12.2. Persistence and degradability

p-toluenesulphonyl isocyanate (4083-64-1)	
Persistence and degradability	Readily biodegradable in water.

Dibutyltin dilaurate (77-58-7)	
Persistence and degradability	Not readily biodegradable.

Hexamethylene-1,6-diisocyanate (822-06-0)	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

p-toluenesulphonyl isocyanate (4083-64-1)	
Partition coefficient n-octanol/water (Log Pow)	0,6 (Experimental value, OECD 117: Partition coefficient (n-octanol / water), HPLC method)
Bioaccumulative potential	Slightly bioaccumulative.

Dibutyltin dilaurate (77-58-7)	
BCF - Fish [1]	31 – 813 (Calculated value)
Partition coefficient n-octanol/water (Log Pow)	4,44 (Practical experience / observation, OECD 107: Partition coefficient (n-octanol / water): Shake bottle method, 20.8 ° C)
Bioaccumulative potential	Bioaccumulative potential.

Hexamethylene-1,6-diisocyanate (822-06-0)	
BCF - Fish [1]	59,6 (BCFWIN, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	1,08 (QSAR)
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

p-toluenesulphonyl isocyanate (4083-64-1)	
Ecology - soil	No supplementary information available.

Dibutyltin dilaurate (77-58-7)	
Ecology - soil	No supplementary information available.

Hexamethylene-1,6-diisocyanate (822-06-0)	
Partition coefficient n-octanol/water (Log Koc)	2,78 – 3,68 (log Koc:calculated value)
Ecology - soil	little. Mobile.

12.5. Results of PBT and vPvB assessment

Component	
Dibutyltin dilaurate (77-58-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
p-toluenesulphonyl isocyanate (4083-64-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

PUVB 02 / QC PU-VERTICAL BINDER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Component

Hexamethylene-1,6-diisocyanate (822-06-0)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Ensure all national/local regulations are observed.
Waste treatment methods : This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

ADN
Transport hazard class(es) (ADN) : Not applicable

RID
Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

PUVB 02 / QC PU-VERTICAL BINDER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

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

Substances 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: Dibutyltin compounds (77-58-7)

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

Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : 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
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

Switzerland

Storage class (LK) : LK 6.1 - Toxic materials

PUVB 02 / QC PU-VERTICAL BINDER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains p-toluenesulphonyl isocyanate, Reaction mass of 1-Hexanol, 2-ethyl-, reaction products with 1,6-diisocyanatohexane and Hexane, 1,6-diisocyanato-, homopolymer, Hexamethylene diisocyanate, oligomers, hexamethylene-di-isocyanate. May produce an allergic reaction.

Safety Data Sheet (SDS), EU

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.