

Revision date 26-Mar-2024

This safety data sheet was created pursuant to the requirements of: REACH Regulation (EC) No 1907/2006, as retained in UK law by (SI 2019/758 as amended)

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

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

1.1. Product identifier

Product Name BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Pure substance/mixture Mixture

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

Recommended use Sealant

Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik Limited Common Rd ST16 3EH Stafford UK

Tel: +44 (1785) 27 26 25 Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)

NHS: 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Signal word

None

Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

EU Specific Hazard Statements

EUH208 - Contains Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction

EUH210 - Safety data sheet available on request

EUH204 - Contains isocyanates. May produce an allergic reaction

United Kingdom - BE Page 1/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

2.3. Other hazards

Causes mild skin irritation. Harmful to aquatic life.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No (EU Index No)	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Limestone	215-279-6	1317-65-3	>25 - <40	[C]	-	[5]
Isocyanic acid, polymethylenepolypheny lene ester, polymer with 1,3-diisocyanatomethylb enzene, .alphahydroomegah ydroxypoly[oxy(methyl-1, 2-ethanediyl)] and 2-methyloxirane polymer with oxirane ether with 1,2,3-propanetriol (3:1)	-	68240-05-1	20 - 25	-	-	[7]
Bis(2-propylheptyl)phthal ate	258-469-4	53306-54-0	10 - <20	-	-	01-2119446694- 30-XXXX
Polyvinyl chloride	618-338-8	9002-86-2	5 - <10	-	-	[7]
2,2-bis[[(1-oxopentyl)oxy]methyl]propane-1,3-diyldivalerate	239-937-7	15834-04-5	5 - <10	-	-	01-2119493810- 35-xxxx
Diisononyl 1,2-cyclohexanedicarbox ylate	431-890-2	166412-78-8	5 - <10	-	-	01-0000017810- 74-XXXX
3-butyl-1-[4-({ 4-[(butylcarbamoyl)amin o]phenyl} methyl)phenyl]urea	416-600-4		1 - <5	Aquatic Chronic 4 (H413)	-	01-0000016345- 72-xxxx
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	920-107-4	RR-100255-7	1 - <2.5	Asp. Tox. 1 (H304) (EUH066)	<u>-</u>	01-2119453414- 43-xxxx
N,N-dibenzyliden polyoxypropylene diamine (polymer)	-	136855-71-5	1 - <2.5	Skin Irrit. 2 (H315)	-	[7]
Titanium dioxide	236-675-5 (022-006-00- 2)	13463-67-7	0.1- <1	[C]	-	01-2119489379- 17-XXXX
C.I. Pigment Black 26	269-056-3	68186-94-7	0.1 - <0.5	[B]	-	01-2119457599- 19-XXXX

United Kingdom - BE Page 2/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate			0.1 - <0.5	Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	-	01-2119511174- 52-xxxx
Aromatic Polyisocyanate	500-120-8	53317-61-6	0.1 - <0.5	Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	-	[7]
Octadecyl 3-(3',5'-di-tert-butyl-4'-hy droxyphenyl)propionate	218-216-0	2082-79-3	0.1 - <0.3	-	-	01-2119491195- 33-XXXX
Ethyl acetate	205-500-4 (607-022-00- 5)	141-78-6	0.1 - <0.3	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	-	01-2119475103- 46-XXXX
Iron oxide yellow	257-098-5	51274-00-1	0.1 - <0.3	-	-	01-2119457554- 33-XXXX
Glycidoxypropyltrimetho xysilane	219-784-2	2530-83-8	0.01 - <0.1	Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)	-	01-2119513212- 58-XXXX
Reaction mass of Bis(1,2,2,6,6-pentameth yl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4- piperidyl sebacate	915-687-0	1065336-91-5	0.01 - <0.1	Skin Sens. 1A (H317) Repr. 2 (H361f) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	01-2119491304- 40-XXXX
Isophorone diisocyanate	223-861-6 (615-008-00- 5)	4098-71-9	0.01 - <0.1	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Acute Tox. 1 (H330) Aquatic Chronic 2 (H411)	Resp. Sens. 1 :: C>=0.5% Skin Sens. 1 :: C>=0.5%	01-2119490408- 31-XXXX
Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethox	924-669-1	192526-20-8	0.01 - <0.1	Skin Sens. 1A (H317)	-	01-2120768758- 32-XXXX
ysilane						
Hexamethylene	931-274-8	28182-81-2	0.01 - <0.1	STOT SE 3	-	01-2119485796-

United Kingdom - BE Page 3/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

diisocyanate homopolymer				(H335) Skin Sens. 1 (H317) Acute Tox. 4 (H332)		17-xxxx
Salicylic acid	200-712-3 (607-732-00- 5)	69-72-7	0.01 - < 0.05	Eye Dam. 1 (H318) Acute Tox. 4 (H302) Repr. 2 (H361d)	-	01-2119486984- 17-XXXX
Iron oxide (Fe2O3)	215-168-2	1309-37-1	0.01 <= 0.036	[C]	-	01-2119457614- 35-XXXX
Dibutyltin dilaurate	201-039-8 (050-030-00- 3)	77-58-7	0.01 <= 0.036	Eye Irrit. 2(H319) Skin Sens. 1 (H317) Muta. 2 (H341) Repr. 1B (H360FD) STOT RE 1 (H372) STOT SE 1 (H370) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	01-2119496068- 27-XXXX
m-tolylidene diisocyanate	247-722-4 (615-006-00- 4)	26471-62-5	0.0025 - <0.01	Acute Tox. 1 (H330) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Carc. 2 (H351) STOT SE 3 (H335) Aquatic Chronic 3		01-2119454791- 34-XXXX
4,4'-Methylenediphenyl diisocyanate	202-966-0 (615-005-00- 9)	101-68-8	<0.0015	Acute Tox. 4 (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)	STOT SE 3 :: C>=5% Skin Irrit. 2 :: C>=5% Eye Irrit. 2 :: C>=5% Resp. Sens. 1 :: C>=0.1%	01-2119457014- 47-XXXX
Methyl alcohol	200-659-6 (603-001-00- X)	67-56-1	<0.0015		STOT SE 1 :: C>=10% STOT SE 2 :: 3%<=C<10%	01-2119433307- 44-XXXX

United Kingdom - BE Page 4/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 **Revision Number** 4.02

Revision date 26-Mar-2024

				Acute Tox. 3		
				(H331)		
				STOT SE 1		
				(H370) Flam. Liq. 2		
				(H225)		
Titanium Dioxide[in	236-675-5	13463-67-7	<0.0015	Carc. 2 (H351i)	-	01-2119489379-
powder form containing 1						17-XXXX
% or more of particles	2)					
with aerodynamic						
diameter ≤ 10 µm]	004 000 0	7004.00.0	0.0045	A T 4	From Lamit O	04.0440405004
Orthophosphoric acid	231-633-2 (015-011-00-	7664-38-2	<0.0015	Acute Tox. 4 (H302)	Eye Irrit. 2 :: 10%<=C<25%	01-2119485924- 24-xxxx
	6)			Skin Corr. 1B	Skin Corr. 1B ::	24-
	",			(H314)	C>=25%	
				Eye Dam. 1	Skin Irrit. 2 ::	
				(H318)	10%<=C<25%	
				Met. Corr. 1		
11 (1.1	040 405 0	000 00 0	0.0045	(H290)	D 0 1	04 0440457574
Hexamethylene	212-485-8 (615-011-00-	822-06-0	<0.0015	Acute Tox. 1 (H330)	Resp. Sens. 1 :: C>=0.5%	01-2119457571- 37-XXXX
diisocyanate	1)			Acute Tox. 4	Skin Sens. 1 ::	31-^^^
	'/			(H302)	C>=0.5%	
				Skin Irrit. 2	0, 0.0,0	
				(H315)		
				Eye Irrit. 2 (H319)		
				Resp. Sens. 1		
				(H334)		
				Skin Sens. 1 (H317)		
				STOT SE 3		
				(H335)		
Water	231-791-2	7732-18-5	<0.0015	-	-	[4]
Nanoparticle - identity	-	UNKNOWN	<0.0015	[K]	-	-
unknown						

<u>The substance does not require registration according to REACH - Notes</u>

NOTE [7] - No registration number is given for this substance because it is a polymer exempted from registration according to the provisions of Article 2(9) of REACH. All monomers or other substances within the polymer are registered or exempt from registration

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

- [B] Substance with a Community workplace exposure limit [C] Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

Full text of H- and EUH-phrases: see section 16

Substances identified by a number starting "RR-" in the CAS-field are substances for which the CAS# is not adopted in EU and we use an internal numbering system to track within our SDS software

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Notes

See section 16 for more information

Chemical name	Notes
Titanium dioxide - 13463-67-7	V,W,10
Isophorone diisocyanate - 4098-71-9	2
m-tolylidene diisocyanate - 26471-62-5	С

United Kingdom - BE Page 5/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023

Revision date 26-Mar-2024

Revision Number 4.02

Chemical name	Notes
4,4'-Methylenediphenyl diisocyanate - 101-68-8	C,2
Titanium Dioxide[in powder form containing 1 % or more of particles with	V,W,10
aerodynamic diameter ≤ 10 μm] - 13463-67-7	
Orthophosphoric acid - 7664-38-2	В
Hexamethylene diisocyanate - 822-06-0	2

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice If medical advice is needed, have product container or label at hand. Show this safety

data sheet to the doctor in attendance.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper

eyelids. Consult a doctor.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

doctor.

Ingestion Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never

give anything by mouth to an unconscious person.

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

Symptoms Prolonged contact may cause redness and irritation.

Effects of Exposure No information available.

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

Note to doctors No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

surrounding environment.

Unsuitable extinguishing media No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

No information available.

Hazardous combustion products Carbon oxides. Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).

Hydrogen cyanide. Isocyanates. Hydrochloric Acid.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

United Kingdom - BE Page 6/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION

POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Do not scatter spilled material with high pressure water streams.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Protect from moisture.

Recommended storage

temperature

Keep at temperatures between 10 and 35 °C.

7.3. Specific end use(s)

Specific use(s)

Sealant.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product contains titanium dioxide in a non-respirable form. Inhalation of titanium

dioxide is unlikely to occur from exposure to this product

Chemical name	European Union	United Kingdom
Limestone	-	TWA: 10 mg/m ³
1317-65-3		TWA: 4 mg/m ³
		STEL: 30 mg/m ³
		STEL: 12 mg/m ³
Polyvinyl chloride	•	TWA: 10 mg/m ³

United Kingdom - BE Page 7 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

9002-86-2		TWA: 4 mg/m ³
		STEL: 30 mg/m ³
		STEL: 12 mg/m ³
Titanium dioxide	-	TWA: 10 mg/m ³
13463-67-7		TWA: 4 mg/m ³
		STEL: 30 mg/m ³
		STEL: 12 mg/m ³
C.I. Pigment Black 26	TWA: 0.05 mg/m ³ Mn respirable fraction	TWA: 0.2 mg/m ³
68186-94-7		TWA: 0.05 mg/m ³
		STEL: 0.6 mg/m ³
		STEL: 0.15 mg/m ³
Ethyl acetate	TWA: 734 mg/m ³	TWA: 734 mg/m ³
141-78-6	TWA: 200 ppm	TWA: 200 ppm
	STEL: 1468 mg/m ³	STEL: 1468 mg/m ³
	STEL: 400 ppm	STEL: 400 ppm
Isophorone diisocyanate	-	TWA: 0.02 mg/m ³
4098-71-9		STEL: 0.07 mg/m ³
		Sen+

Chemical name	European Union	Ireland	United Kingdom
Isophorone diisocyanate	-	1 µmol/mol Creatinine (urine -	1 mmol isocyanate-derived
4098-71-9		urinary Diamine post task)	diamine/mol creatinine urine

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL) Bis(2-propylheptyl)phthalate (53306-54-0)					
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
worker Long term Systemic health effects	Dermal	125 mg/kg bw/d			
worker Long term Local health effects	Inhalation	5 mg/m³			
worker Long term Systemic health effects	Inhalation	35.3 mg/m³			

3-butyl-1-[4-({ 4-[(butylcarbamoyl)amino]phenyl} methyl)phenyl]urea (
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
Long term Systemic health effects	Inhalation	49.37 mg/m³			
Long term Systemic health effects	Dermal	140 mg/kg bw/d			

Titanium dioxide (13463-67-7)						
Туре		Derived No Effect Level (DNEL)	Safety factor			
worker	Inhalation	10 mg/m ³				
Long term		-				
Local health effects						

Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phosphate and triphenyl phosphate ()			
Туре		Derived No Effect Level (DNEL)	Safety factor
worker	Inhalation	3.5 mg/m³	

United Kingdom - BE Page 8 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Long term Systemic health effects			
worker Short term Systemic health effects	Inhalation	28 mg/m³	
worker Long term Systemic health effects	Dermal	0.5 mg/kg bw/d	
worker Short term Systemic health effects	Dermal	4 mg/kg bw/d	

Ethyl acetate (141-78-6)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Dermal	63 mg/kg bw/d	
worker Short term Systemic health effects	Inhalation	1468 mg/m³	
worker Long term Local health effects	Inhalation	734 mg/m³	
worker Short term Local health effects	Inhalation	1468 mg/m³	
worker Long term Systemic health effects	Inhalation	734 mg/m³	

Glycidoxypropyltrimethoxysilane (2530-83-8)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	70.5 mg/m ³	
worker Long term Systemic health effects	Dermal	10 mg/kg bw/d	

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	1.27 mg/m³	
worker Systemic health effects Long term	Dermal	1.8 mg/kg	

Isophorone diisocyanate (4098-71-9)			
Туре		Derived No Effect Level (DNEL)	Safety factor
worker Short term Local health effects	Inhalation	0.0453 mg/m³	
worker	Inhalation	0.0453 mg/m ³	

United Kingdom - BE Page 9 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Short term

worker

Systemic health effects

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Supercedes Date: 21-Nov-2	2023		Revision Number 4.02
Long term			
Local health effects			
Reaction product of Hexamo	ethylene diisocyanate, oligo	mers with Mercaptopropyltrimet	:hoxysilane (192526-20-8)
Type	Exposure route	Derived No Effect Level	Safety factor
31.		(DNEL)	
worker	Inhalation	1.7 mg/m³	
Long term		_	
Systemic health effects			
worker	Dermal	4.7 mg/kg bw/d	
Long term			
Systemic health effects			
Harrage allegations allegations and	- 1		
Hexamethylene diisocyanat			Cafaty factor
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker	Inhalation	1 mg/m³	
Short term			
Local health effects	lab alatia a	0.5	
worker Long term	Inhalation	0.5 mg/m³	
Local health effects			
Local fleatiff effects	L	I	
Dibutyltin dilaurate (77-58-7)	1		
Type	Exposure route	Derived No Effect Level	Safety factor
1.750	Σπροσαίο Ισαίο	(DNEL)	Carety ractor
Long term Systemic health effects worker	Dermal	0,43 mg/kg bw/d	
Short term	Dermal	2,05 mg/kg bw/d	
Systemic health effects worker			
Long term Systemic health effects worker	Inhalation	0,02 mg/m³	
Worker		I	
m-tolylidene diisocyanate (2	26471-62-5)		
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker	Inhalation	0.035 mg/m ³	
Long term			
Systemic health effects			
worker	Inhalation	0.14 mg/m ³	
Short term			
Systemic health effects			
worker	Inhalation	0.035 mg/m ³	
Long term			
Local health effects	Inhalatic :-	0.44 == =/==2	
worker Short term	Inhalation	0.14 mg/m³	
Short term Local health effects			
Local Health effects	1		
4,4'-Methylenediphenyl diiso	ncvanate (101-68-8)		
Type	Exposure route	Derived No Effect Level	Safety factor
1-76-2		(DNEL)	-3.04, .2010.
worker	Dermal	50 mg/kg bw/d	
Ob 4	i	1 -	1

United Kingdom - BE Page 10 / 30

0.1 mg/m³

Inhalation

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Short term Systemic health effects			
worker Short term Local health effects	Dermal	28700 μg/cm²	
worker Short term Local health effects	Inhalation	0.1 mg/m³	
worker Long term Systemic health effects	Inhalation	0.05 mg/m³	
worker Long term Local health effects	Inhalation	0.05 mg/m³	

Methyl alcohol (67-56-1)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Short term Systemic health effects worker	Dermal	40 mg/kg bw/d	
Short term Systemic health effects worker	Inhalation	260 mg/m³	
Short term Local health effects worker	Inhalation	260 mg/m³	
Long term Systemic health effects worker	Dermal	40 mg/kg bw/d	
worker Long term Systemic health effects	Inhalation	260 mg/m³	
Long term Local health effects worker	Inhalation	260 mg/m³	

Titanium Dioxide[in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)				
Type	Exposure route	Derived No Effect Level	Safety factor	
	·	(DNEL)		
worker	Inhalation	10 mg/m³		
Long term				
Local health effects				

Hexamethylene diisocyanate (822-06-0)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Local health effects	Inhalation	0.035 mg/m³	
worker Short term Local health effects	Inhalation	0.07 mg/m³	

Derived No Effect Lev	vel (DNEL)			
Bis(2-propylheptyl)phthalate (53306-54-0)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	

United Kingdom - BE Page 11/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

0	D	00.5	
Consumer	Dermal	62.5 mg/kg	
Long term			
Systemic health effects			
Consumer	Inhalation	1.25 mg/m ³	
Long term			
Local health effects			
Consumer	Inhalation	8.7 mg/m ³	
Long term			
Systemic health effects			
Consumer	Oral	5 mg/kg	
Long term			
Systemic health effects			

3-butyl-1-[4-({ 4-[(butylcarbamoyl)amino]phenyl} methyl)phenyl]urea ()				
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
Long term Systemic health effects	Inhalation	7.4 mg/m³		
Long term Systemic health effects	Dermal	50 mg/kg bw/d		
Long term Systemic health effects	Oral	5 mg/kg bw/d		

Titanium dioxide (13463-67-7)			
Type	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	
Consumer	Oral	700 mg/kg bw/d	
Long term			
Systemic health effects			

Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate (
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
Consumer Long term Systemic health effects	Inhalation	0.875 mg/m³		
Consumer Short term Systemic health effects	Inhalation	7 mg/m³		
Consumer Long term Systemic health effects	Dermal	0.25 mg/kg bw/d		
Consumer Short term Systemic health effects	Dermal	2 mg/kg bw/d		
Consumer Long term Systemic health effects	Oral	0.25 mg/kg bw/d		
Consumer Short term Systemic health effects	Oral	2 mg/kg bw/d		

Ethyl acetate (141-78-6)			
Туре	1	Derived No Effect Level (DNEL)	Safety factor
Consumer	Oral	4.5 mg/kg bw/d	

United Kingdom - BE Page 12/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Long term Systemic health effects			
Consumer Long term Systemic health effects	Dermal	37 mg/kg bw/d	
Consumer Short term Systemic health effects	Inhalation	734 mg/m³	
Consumer Long term Local health effects	Inhalation	367 mg/m³	
Consumer Short term Local health effects	Inhalation	734 mg/m³	
Consumer Long term Systemic health effects	Inhalation	367 mg/m³	

Glycidoxypropyltrimethoxysilane (2530-83-8)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
Consumer Long term Systemic health effects	Inhalation	17 mg/m³		
Consumer Long term Systemic health effects	Dermal	5 mg/kg bw/d		
Consumer Long term Systemic health effects	Oral	5 mg/kg bw/d		

Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	0.31 mg/m³	
Consumer Long term Systemic health effects	Dermal	0.9 mg/kg	
Consumer Long term Systemic health effects	Oral	0.18 mg/kg	

Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane (192526-20-8)				
Туре	Exposure route	Derived No Effect Level	Safety factor	
		(DNEL)		
Consumer	Inhalation	0.3 mg/m ³		
Long term				
Systemic health effects				
Consumer	Dermal	1.7 mg/kg bw/d		
Long term				
Systemic health effects				
Consumer	Oral	0.2 mg/kg bw/d		
Long term				
Systemic health effects				

Hexamethylene diisocyanate homopolymer (28182-81-2)

United Kingdom - BE Page 13/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

4,4'-Methylenediphenyl diiso		Darius d No Effect Lavial	0-6-6-6-6-
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer	Dermal	25 mg/kg bw/d	
Short term			
Systemic health effects			
Consumer	Inhalation	0.05 mg/m ³	
Short term			
Systemic health effects			
Consumer	Oral	20 mg/kg bw/d	
Short term			
Systemic health effects			
Consumer	Dermal	17200 μg/cm ²	
Short term			
Local health effects			
Consumer	Inhalation	0.05 mg/m ³	
Short term			
Local health effects			
Consumer	Inhalation	0.025 mg/m ³	
Long term			
Systemic health effects			
Consumer	Inhalation	0.025 mg/m ³	
Long term		-	
Local health effects			

Methyl alcohol (67-56-1)				
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
Consumer Short term Systemic health effects	Dermal	8 mg/kg bw/d		
Consumer Short term Systemic health effects	Oral	8 mg/kg bw/d		
Consumer Long term Local health effects	Inhalation	50 mg/m³		
Consumer Long term Systemic health effects	Oral	8 mg/kg bw/d		
Consumer Long term Systemic health effects	Inhalation	50 mg/m ³		
Consumer Long term Systemic health effects	Dermal	50 mg/kg bw/d		

Titanium Dioxide[in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)				
Туре	Exposure route	Derived No Effect Level	Safety factor	
		(DNEL)	·	
Consumer	Oral	700 mg/kg bw/d		
Long term				
Systemic health effects				

Water (7732-18-5)			
Туре	F	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects	Inhalation	5.68 mg/m ³	

United Kingdom - BE Page 14/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Long term Systemic health effects	Dermal	1.63 mg/kg bw/d	
Long term Systemic health effects	Oral	1.63 mg/kg bw/d	

Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	
Bis(2-propylheptyl)phthalate (53306-54-0)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater sediment	0.939 g/kg
Marine sediment	0.0939 mg/kg
Soil	26.5 mg/kg

3-butyl-1-[4-({ 4-[(butylcarbamoyl)amino]phenyl} methyl)phenyl]urea ()		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	0.1 mg/l	
Marine water	0.01 mg/l	
Sewage treatment plant	10 mg/l	
Freshwater sediment	76.36 mg/kg dry weight	
Marine sediment	7.636 mg/kg dry weight	
Soil	15.15 mg/kg dry weight	

Titanium dioxide (13463-67-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Marine water	0.0184 mg/l
Freshwater sediment	1000 mg/kg
Freshwater	0.184 mg/l
Marine sediment	100 mg/kg
Soil	100 mg/kg
Microorganisms in sewage treatment	100 mg/l
Freshwater - intermittent	0.193 mg/l

Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate ()		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	0.002 mg/l	
Marine water	0 mg/l	
Freshwater - intermittent	0.005 mg/l	
Marine water - intermittent	0.001 mg/l	
Freshwater sediment	3.43 mg/kg dry weight	
Marine sediment	0.343 mg/kg dry weight	
Microorganisms in sewage treatment	No hazard identified	
Soil	0.68 mg/kg dry weight	

Ethyl acetate (141-78-6)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	0.24 mg/l	
Marine water	0.024 mg/l	
Freshwater sediment	1.15 mg/kg	
Marine sediment	0.115 mg/kg	
Soil	0.148 mg/kg	
Microorganisms in sewage treatment	650 mg/l	

Glycidoxypropyltrimethoxysilane (2530-83-8)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	0.45 mg/l	
Marine water	0.045 mg/l	

United Kingdom - BE Page 15/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Freshwater sediment	1.6 mg/kg dry weight
Sewage treatment plant	8.2 mg/l
Soil	0.063 mg/kg dry weight
Marine sediment	0.16 mg/kg dry weight

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	0.0022 mg/l	
Marine water	0.00022 mg/l	
Freshwater - intermittent	0.009 mg/l	
Freshwater sediment	1.05 mg/kg	
Marine sediment	0.11 mg/kg	
Soil	0.21 mg/kg	
Sewage treatment plant	1 mg/l	

Isophorone diisocyanate (4098-71-9)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	60 µg/l	
Marine water	6 μg/l	
Freshwater - intermittent	40 μg/l	
Freshwater sediment	218.9 mg/kg dry weight	
Marine sediment	21.89 mg/kg dry weight	
Soil	44.01 mg/kg dry weight	
Microorganisms in sewage treatment	10 mg/l	

Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane (192526-20-8)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	0.1 mg/l	
Marine water	0.01 mg/l	
Sewage treatment plant	100 mg/l	
Freshwater sediment	0.428 mg/kg dry weight	
Marine sediment	0.043 mg/kg dry weight	

Hexamethylene diisocyanate homopolymer (28182-81-2)			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Freshwater	127 μg/l		
Marine water	12.7 μg/l		
Freshwater - intermittent	1270 μg/l		
Freshwater sediment	266.7 g/kg		
Soil	53.2 g/kg		
Sewage treatment plant	38.28 mg/l		

Dibutyltin dilaurate (77-58-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0,463 μg/l
Freshwater sediment	0,05 mg/kg dry weight
Marine water	0,0463 μg/l
Marine sediment	0,005 mg/kg dry weight
Microorganisms in sewage treatment	100 mg/l

m-tolylidene diisocyanate (26471-62-5)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.013 mg/l
Marine water	0.00125 mg/l
Microorganisms in sewage treatment	>1 mg/l
Soil	>1 mg/kg dry weight

4,4'-Methylenediphenyl diisocyanate (101-68-8)			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Freshwater	1 mg/l		
Marine water	0.1 mg/l		

United Kingdom - BE Page 16 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION

Supercedes Date: 21-Nov-2023

POLYURETHANE BROWN Revision Number 4.02

Revision date 26-Mar-2024

Soil	1 mg/kg dry weight
Sewage treatment plant	1 mg/l
Freshwater - intermittent	10 mg/l

Titanium Dioxide[in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7				
Environmental compartment	Predicted No Effect Concentration (PNEC)			
Marine water	0.0184 mg/l			
Freshwater sediment	1000 mg/kg			
Freshwater	0.184 mg/l			
Marine sediment	100 mg/kg			
Soil	100 mg/kg			
Microorganisms in sewage treatment	100 mg/l			
Freshwater - intermittent	0.193 mg/l			

Hexamethylene diisocyanate (822-06-0)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Microorganisms in sewage treatment	8.42 mg/l

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Eye protection must conform to

Nitrile rubber. Butyl rubber. Glove thickness > 0.4 mm. The breakthrough time of the Hand protection

gloves depends on the material and the thickness as well as the temperature. The breakthrough time for the mentioned glove material is in general greater than 60 min.

Gloves must conform to standard EN 374

Suitable protective clothing. Skin and body protection

In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection

Recommended filter type: Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Organic gases

and vapours filter conforming to EN 14387.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid Appearance Paste Colour Brown Characteristic. Odour

Remarks • Method Property Values None known

No data available Melting point / freezing point

Initial boiling point and boiling Not applicable

range

Flammability No data available

Flammability Limit in Air None known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

> 61 °C Flash point

Autoignition temperature No data available None known **Decomposition temperature** None known

No data available Not applicable. pН None known pH (as aqueous solution) No data available

Kinematic viscosity approx 465000 mm²/s approx 600000 mPas Dynamic viscosity

United Kingdom - BE Page 17/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION

POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Water solubilityNo data available.None knownSolubility(ies)No data availableNone knownPartition coefficientNo data availableNone knownVapour pressureNo data availableNone knownRelative densityNo data availableNone known

Bulk Density No data available

Liquid Density 1.29

Relative vapour density No data available None known

Particle characteristics

Particle SizeNo information availableParticle Size DistributionNo information available

9.2. Other information

Solid content (%) No information available

VOC content No data available

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical None.

impact

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Product cures with moisture. Protect from moisture.

10.5. Incompatible materials

Incompatible materialsNone known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decompositionNone under normal use conditions. Stable under recommended storage conditions.

products

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

United Kingdom - BE Page 18 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Product Information

Inhalation Based on available data, the classification criteria are not met.

Eye contact Based on available data, the classification criteria are not met.

Skin contact Specific test data for the substance or mixture is not available. Causes mild skin irritation.

Repeated or prolonged skin contact may cause allergic reactions with susceptible

Revision date 26-Mar-2024

persons. (based on components).

Ingestion Specific test data for the substance or mixture is not available. May cause additional

affects as listed under "Inhalation".

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Prolonged contact may cause redness and irritation.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) >5000 mg/kg
ATEmix (dermal) 9,084.30 mg/kg
ATEmix (inhalation-gas) >20000 ppm
ATEmix (inhalation-dust/mist) >5 mg/l
ATEmix (inhalation-vapour) >20 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone	Limestone >5000 mg/kg (Rattus)		-
Bis(2-propylheptyl)phthalate	LD50 > 5000 mg/kg (Rattus)	LD50 > 2000 mg/kg	> 20.5 mg/L (Rat)1 h
	OECD 401	(Oryctolagus cuniculus)	
		OECD 402	
Polyvinyl chloride	= 500 mg/kg (Rat)	-	-
0.01:17/4	1 Do 2000 (1 (D))	1 Do 2000 // (D 1)	
2,2-bis[[(1-oxopentyl)oxy]meth	0 0 1	LD0 > 2000 mg/kg (Rat)	-
yl]propane-1,3-diyl divalerate	read-across from supporting	read-across from supporting	
	substance (structural analogue)		
Diisononyl	LD50 >5000 mg/kg Rat (OECD)	5 5 ,	-
1,2-cyclohexanedicarboxylate	423)	(OECD 402)	
3-butyl-1-[4-({	>2000 mg/Kg (Rattus)	>2000 mg/Kg (Rattus)	-
4-[(butylcarbamoyl)amino]phen	(OECD 401)	(OECD 402)	
yl} methyl)phenyl]urea			
Hydrocarbons, C12-C15,	LD50 >5000 mg/Kg (Rattus)	LD50 >5000 mg/Kg	LC50 >5000 mg/m ³
n-alkanes, isoalkanes, cyclics,	(OECD 401)	(Oryctolagus cuniculus)	(OECD 403)
< 2% aromatics		(OECD 402)	
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 5000 mg/Kg	= 5.09 mg/L (Rattus) 4 h
C.I. Pigment Black 26	>10000 mg/kg Rat	1	•
Reaction mass of	>5000 mg/Kg (Rattus)	>2000 mg/Kg (Rattus)	-
3-methylphenyl diphenyl		(OECD 402)	
phosphate, 4-methylphenyl			
diphenyl phosphate,			
bis(3-methylphenyl) phenyl			
phosphate, 3-methylphenyl			

United Kingdom - BE Page 19 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

4-methylphenyl phenyl phosphate and triphenyl			
phosphate Aromatic Polyisocyanate	LD50 >2000 mg/Kg (Rattus)	-	LC50 >3.820 mg/L (Rattus) 4h dust/mist
Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyp henyl)propionate	>5000 mg/kg (Rattus)	> 2000 mg/kg (Oryctolagus cuniculus)	>1800 mg/L (Rattus) 4 h
Ethyl acetate	=5620 mg/kg (Rattus)	> 18000 mg/kg (Oryctolagus cuniculus) > 20 mL/kg (Oryctolagus cuniculus)	LC0 29.3 mg/l air
Iron oxide yellow	>10000 mg/kg bw Rat	-	-
Glycidoxypropyltrimethoxysilan e	=8025 mg/kg (Rattus)	= 4250 mg/kg (Oryctolagus cuniculus)	>5.3 mg/L (Rattus) 4 h
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-pi peridyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperi dyl sebacate	LD50 = 3230 mg/Kg (Rattus) (OECD 401)	LD50 >3170 mg/Kg (Rattus) (OECD 402)	-
Isophorone diisocyanate	=4814 mg/kg (Rattus)	LD50 > 2000 mg/kg	=0.135 mg/L (Rattus) 4 h
Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane	>2000 mg/Kg (Rattus) (OECD 423)	>2000 mg/Kg (Rattus) (OECD 402)	-
Hexamethylene diisocyanate homopolymer	LD50 >5000 mg/Kg (Rattus)	LD50 >2000 mg/Kg (Rattus)	=1.5 mg/L (Rattus) 4h
Salicylic acid	=891 mg/kg (Rattus)	> 2 g/kg (Rattus)	>900 mg/m³ (Rattus) 1 h
Iron oxide (Fe2O3)	>5000 mg/kg (Rattus) EU Method B.1	-	-
Dibutyltin dilaurate	=2071 mg/Kg (Rattus) (OECD 401)	>2000 mg/kg (Rattus) (OECD 402)	-
m-tolylidene diisocyanate	=3060 mg/kg (Rattus)	= 10000 mg/kg (Oryctolagus cuniculus)	=0.107 mg/L 4h (Vapour)(Rattus) (OECD 403) =0.48 mg/L 1h (Vapour)(Rattus) (OECD 403)
4,4'-Methylenediphenyl diisocyanate	=31600 mg/kg (Rattus) = 9200 mg/kg (Rattus)	LD 50 > 9400 mg/kg (Oryctolagus cuniculus) OECD 402	1.5 mg/L (Rattus) 4 h
Methyl alcohol	=2500 mg/kg (Rattus)	200-1000 mg/kg (Oryctolagus cuniculus)	=22500 ppm (Rattus) 8 h = 64000 ppm (Rattus) 4 h
Titanium Dioxide[in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]	> 5000 mg/kg (Rattus) OECD 425	LD50 > 10000 mg/Kg	= 5.09 mg/L (Rattus) 4 h
Orthophosphoric acid	=1530 mg/kg (Rattus)	= 2740 mg/kg (Oryctolagus cuniculus)	>850 mg/m³ (Rattus) 1 h
Hexamethylene diisocyanate	=746 mg/kg (Rattus)	>7000 mg/Kg (Rattus) (OECD 402)	=0.124 mg/L (Rattus) 4 h (Vapour)
Water	> 90 mL/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes mild skin irritation.

United Kingdom - BE Page 20 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023

Revision date 26-Mar-2024

Revision Number 4.02

Titanium	ahiyoih	(13463-67-7)	
Hilanium	uluxiue	113403-07-71	

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404:	Rabbit	Dermal			Non-irritant
Acute Dermal					
Irritation/Corrosion					

Hexamethylene diisocyanate homopolymer (28182-81-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404:	Rabbit	Dermal		4 hours	Non-irritant
Acute Dermal					
Irritation/Corrosion					

Hexamethylene diisocyanate (822-06-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404:	Rabbit	Dermal			Irritant
Acute Dermal					
Irritation/Corrosion					

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Titanium dioxide (13463-67-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	Eye			Non-irritant
Acute Eye					
Irritation/Corrosion					

Glycidoxypropyltrimethoxysilane (2530-83-8)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	Eye			Eye Damage
Acute Eye					
Irritation/Corrosion					

Hexamethylene diisocyanate homopolymer (28182-81-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye		4 hours	Non-irritant
Acute Eye					
Irritation/Corrosion					

4,4'-Methylenediphenyl diisocyanate (101-68-8)

1,1 Methylenediphenyl dileceyanate (101 ce c)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	Eye	0.1 mL	24 hours	Non-irritant
Acute Eye					
Irritation/Corrosion					

Hexamethylene diisocyanate (822-06-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye			Irritant
Acute Eye					
Irritation/Corrosion					

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Component Information Ethyl acetate (141-78-6)

Method	Species	Results
OECD Test No. 474: Mammalian Erythrocyte	in vivo Hamster	Negative

United Kingdom - BE Page 21/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Micronucleus Test		
OECD Test No. 471: Bacterial Reverse	in vitro Salmonella typhimurium	Negative
Mutation Test		
OECD Test No. 473: In vitro Mammalian	in vitro Hamster Ovary	Negative
Chromosome Aberration Test	_	-

Titanium Dioxide[in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)

Method	Species	Results
OECD Test No. 471: Bacterial Reverse	in vitro	Not mutagenic in AMES Test
Mutation Test		
OECD Test No. 476: In vitro Mammalian Cell	Mammalian cells, in vitro	Negative
Gene Mutation Test		
OECD Test No. 473: In vitro Mammalian	in vitro	Negative
Chromosome Aberration Test		
OECD Test No. 474: Mammalian Erythrocyte	Mouse, in vivo: Inhalation	Negative
Micronucleus Test		
OECD Test No. 474: Mammalian Erythrocyte	Rat, in vivo: Oral	Negative
Micronucleus Test		-

Chemical name	European Union
Dibutyltin dilaurate	Muta. 2

Carcinogenicity

Based on available data, the classification criteria are not met.

Component Information

4,4'-Methylenediphenyl diisocyanate (101-68-8)

Method	Species	Results
OECD Test No. 453: Combined Chronic	Rat	Limited evidence of a carcinogenic
Toxicity/Carcinogenicity Studies		effect

Chemical name	European Union
m-tolylidene diisocyanate	Carc. 2
4,4'-Methylenediphenyl diisocyanate	Carc. 2
Titanium Dioxide[in powder form containing 1 % or more of	Carc. 2
particles with aerodynamic diameter ≤ 10 μm]	

Reproductive toxicity

Based on available data, the classification criteria are not met.

Chemical name	European Union		
Salicylic acid	Repr. 2		
Dibutyltin dilaurate	Repr. 1B		

Titanium Dioxide[in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)

Method	Species	Results
OECD Test No. 414: Pre-natal Development	Rat	Based on available data, the
Toxicity Study		classification criteria are not met
		NOAEL 1000 mg/kg bw/d

STOT - single exposure

Based on available data, the classification criteria are not met.

Hexamethylene diisocyanate homopolymer (28182-81-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results		
OECD Test No. 403:	Rat	Inhalation vapour	3 mg/m³	6 hours	NOAEL		
Acute Inhalation Toxicity							

United Kingdom - BE Page 22 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

STOT - repeated exposure

Based on available data, the classification criteria are not met.

Revision date 26-Mar-2024

Hexamethylene diisocyanate homopolymer (28182-81-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 413:	Rat	Inhalation	3.3 mg/l/6h/d	90 days	NOAEL
Sub-chronic Inhalation					
Toxicity: 90-day Study					

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Limestone	CE50 (72h)	CL50	-	CE50 (48h)		
1317-65-3	>200mg/L Algae	(96h)>10000mg/		>1000 mg/L		
	(Desmondesmus	L		Daphnia Magna		
	subspicatus)	(Oncorhynchus				
		mykiss)				
Bis(2-propylheptyl)phth	EC50 (72h) >	LC50 (96h) >	-	EC50 (48h) >		
alate	100 mg/ĺ	10000 mg/l (100 mg/ĺ		
53306-54-0	(Desmodesmus	Danio rerio)		(Daphnia		
	subspicatus)	OECD 203		magna)		
	EU Method C.3			EU Method C.2		
2,2-bis[[(1-oxopentyl)ox	LC0 (72h) > 100	LC0 (96h) > 150	-	LC50 (48h) >		
y]methyl]propane-1,3-di		mg/l		100 mg/ĺ		
yl divalerate	(Scenedesmus	(Brachydanio		(Daphnia		
15834-04-5	subspicatus),	rerio) OECD		magna), OECD		
	OECD Test No.	Test No. 203,		Test No. 202,		
	201, read-across	read-across from		read-across from		
	from supporting	supporting		supporting		
	substance	substance		substance		
	(structural	(structural		(structural		
	analogue)	analogue)		analogue)		
Diisononyl	EC50 >100mg/L	LC50 (96h)	-	EC50 (48h) >100		
1,2-cyclohexanedicarb	(Scenedesmus	>100mg/L		mg/L (Daphnia		
oxylate	subspicatus)	(Brachydanio		magna) Static		
166412-78-8	Static (OECD	rerio) Static		(OECD 202)		
	201)	(OECD 203)				
3-butyl-1-[4-({	-	LC50 (96h) >120	-	EC50 (48h) >100		
4-[(butylcarbamoyl)ami		mg/L Danio rerio		mg/L Daphnia		
no]phenyl}		(OECD 203)		magna		
methyl)phenyl]urea				(OECD 202)		

United Kingdom - BE Page 23 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics RR-100255-7	ErL50 (72h) > 10000 mg/l (Skeletonema costatum -ISO 10253)	LL50 (96h) > 1028 mg/l (Scophthalmus maximus -OECD 203)	-	LL50 (48h) > 3193 mg/l (Acartia tonsa - ISO 14669)		
Titanium dioxide 13463-67-7	LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203	-	-	-		
C.I. Pigment Black 26 68186-94-7	-	96H >100000 mg/l	-	-		
Octadecyl 3-(3',5'-di-tert-butyl-4'-h ydroxyphenyl)propionat e 2082-79-3		LC50: >100mg/L (96h, Lepomis macrochirus)	-	EC50: >100mg/L (24h, Daphnia magna)		
Ethyl acetate 141-78-6	EC50: =3300mg/L (48h, Desmodesmus subspicatus)	LC50: =484mg/L (96h, Oncorhynchus mykiss) LC50: 352 - 500mg/L (96h, Oncorhynchus mykiss) LC50: 220 - 250mg/L (96h, Pimephales promelas)	EC50 = 1180 mg/L 5 min EC50 = 1500 mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h	EC50: =560mg/L (48h, Daphnia magna)		
Iron oxide yellow 51274-00-1	-	96H >100000 mg/L	-	48H >100 mg/L Daphnia		
Glycidoxypropyltrimeth oxysilane 2530-83-8	ella subcapitata	LC50 (96h) = 55 mg/L (Cyprinus carpio) OECD 203	-	EC50 (48h) =473 mg/L Daphnia magna		
Reaction mass of Bis(1,2,2,6,6-pentamet hyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate 1065336-91-5	EC50 (72h): 1.68	LC50 (96h): 0.9 mg/L (Brachydanio rerio) OECD 203	EC20 (3h)>= 100 mg/l OECD 209	-	1	1
Isophorone diisocyanate 4098-71-9	EC50: =118.7mg/L (72h, Desmodesmus subspicatus)	LC50: =1.8mg/L (48h, Leuciscus idus)	-	EC50: =83.7mg/L (24h, Daphnia magna)		
Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimetho xysilane 192526-20-8	EC50 (72h) >100 mg/L Algae (Raphidocelis subcapitata) (OECD 201)	mg/L Fish (Brachydanio rerio) (OECD 203)	-	EC50 (48h) >100 mg/L Daphnia magna (OECD 202)		
Hexamethylene diisocyanate homopolymer 28182-81-2	ErC50 > 1000 mg/l (0-72 h static / Desmodesmus	LC50 8,9 mg/l (Brachydanio rerio)	-	EC50 127 mg/l (48 h static / EU C.2) Daphnia magna		

United Kingdom - BE Page 24 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

	subspicatus / EU C.3)				
Salicylic acid 69-72-7	EC50 (72 h) > 100 mg/L (Scenedesmus subspicatus) OECD 201	LC50 (96)> 100 mg/L (Pimephales promelas)	-	EC50 48 h = 870 mg/L (Daphnia magna Static)	
Iron oxide (Fe2O3) 1309-37-1	-	LC0 (96h) > 50000 mg/L (Danio rerio)	-	EC50 (48h) > 100 mg/L (Daphnia Magna) OECD 202	
Dibutyltin dilaurate 77-58-7	mg/l (Desmodesmus subspicatus)	LC50 (96h) = 3.1 mg/l (Danio rerio)	-	EC50 (48h) = 0.463 mg/l (Daphnia magna)	
4,4'-Methylenediphenyl diisocyanate 101-68-8	ErC50 (72h) >1640 mg/L Algae (scenedesmus subspicatus) (OECD 201)	>1000 mg/l Danio rerio	-	EC50 (24H) >1000 mg/L Daphnia magna	
Methyl alcohol 67-56-1	-	LC50 96 h > 100 mg/L (Pimephales promelas static)	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	-	
Titanium Dioxide[in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] 13463-67-7		-	-	-	
Orthophosphoric acid 7664-38-2	-	LC50: 3 - 3.5mg/L (96h, Gambusia affinis)	-	EC50: =4.6mg/L (12h, Daphnia magna)	
Hexamethylene diisocyanate 822-06-0	-	LC50: =26.1mg/L (96h, Brachydanio rerio)	EC50 = 15.7 mg/L 30 min EC50 = 25.5 mg/L 15 min EC50 = 53.2 mg/L 5 min	-	

12.2. Persistence and degradability

Persistence and degradability No information available.

3-butyl-1-[4-({ 4-[(butylcarbamoyl)amino]phenyl} methyl)phenyl]urea (--

1			
Method	Exposure time	Value	Results
OECD Guideline 310	28 days	0.4%	Not readily biodegradable
OECD Test No. 301B: Ready	28 days	11%	Not readily biodegradable
Biodegradability: CO2 Evolution Test	-		
(TG 301 B)			

Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phosphate and triphenyl phosphate (--

United Kingdom - BE Page 25 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready	28 days	75%	Readily biodegradable
Biodegradability: Modified MITI Test			
(I) (TG 301 C)			

Aromatic Polyisocyanate (53317-61-6)

Method	Exposure time	Value	Results				
OECD Test No. 301F: Ready		biodegradation	34 % Not readily				
Biodegradability: Manometric		_	biodegradable				
Respirometry Test (TG 301 F)			_				

Isophorone diisocyanate (4098-71-9)

Ме	Method		Exposure time	Value	Results	
EU	C.4-D			28 days	0%	Not readily biodegradable

Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane (192526-20-8)

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready	28 days	3.85%	Not readily biodegradable
Biodegradability: Modified MITI Test	-		
(I) (TG 301 C)			

Salicylic acid (69-72-7)

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready	14 days	Biodegradation 88%	Readily biodegradable
Biodegradability: Modified MITI Test	-	-	
(I) (TG 301 C)			

4.4'-Methylenediphenyl diisocyanate (101-68-8)

Method	Exposure time	Value	Results
OECD Test No. 302C: Inherent	28 days	0% biodegradation	Not readily biodegradable
Biodegradability: Modified MITI Test	·	-	-
(II)			

Titanium Dioxide[in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)

Method	Exposure time	Value	Results
			The methods for determining
			biodegradability are not
			applicable to inorganic
			substances

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Component information	
Chemical name	Partition coefficient
Limestone	0.9
Bis(2-propylheptyl)phthalate	>6
Diisononyl 1,2-cyclohexanedicarboxylate	10
3-butyl-1-[4-({ 4-[(butylcarbamoyl)amino]phenyl} methyl)phenyl]urea	5.5
Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phosphate phosphate and triphenyl phosphate	4.5
Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate	13.5
Ethyl acetate	0.73
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl	2.77

United Kingdom - BE Page 26 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

sebacate	
Hexamethylene diisocyanate homopolymer	9.81
Salicylic acid	2.25
Dibutyltin dilaurate	4.44
m-tolylidene diisocyanate	3.43
4,4'-Methylenediphenyl diisocyanate	4.51
Methyl alcohol	-0.77
Orthophosphoric acid	-0.9

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

The product does not contain any substance(s) classified as PBT or vPvB above the

threshold of declaration.

Chemical name	PBT and vPvB assessment
Bis(2-propylheptyl)phthalate	The substance is not PBT / vPvB
2,2-bis[[(1-oxopentyl)oxy]methyl]propane-1,3-diyl divalerate	The substance is not PBT / vPvB
Diisononyl 1,2-cyclohexanedicarboxylate	The substance is not PBT / vPvB
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2%	The substance is not PBT / vPvB
aromatics	
Titanium dioxide	The substance is not PBT / vPvB
C.I. Pigment Black 26	The substance is not PBT / vPvB
Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate	The substance is not PBT / vPvB
Ethyl acetate	The substance is not PBT / vPvB
Iron oxide yellow	The substance is not PBT / vPvB
Glycidoxypropyltrimethoxysilane	The substance is not PBT / vPvB
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	The substance is not PBT / vPvB
and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
Isophorone diisocyanate	The substance is not PBT / vPvB
Hexamethylene diisocyanate homopolymer	The substance is not PBT / vPvB
Salicylic acid	The substance is not PBT / vPvB
Iron oxide (Fe2O3)	The substance is not PBT / vPvB
Dibutyltin dilaurate	The substance is not PBT / vPvB
m-tolylidene diisocyanate	The substance is not PBT / vPvB
4,4'-Methylenediphenyl diisocyanate	The substance is not PBT / vPvB
Methyl alcohol	The substance is not PBT / vPvB
Titanium Dioxide[in powder form containing 1 % or more of particles	The substance is not PBT / vPvB
with aerodynamic diameter ≤ 10 μm]	
Orthophosphoric acid	The substance is not PBT / vPvB
Hexamethylene diisocyanate	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

United Kingdom - BE Page 27 / 30

BOSTIK PRO SEALANT PU91 CONSTRUCTION

POLYURETHANE BROWN

Revision Number 4.02 Supercedes Date: 21-Nov-2023

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

Revision date 26-Mar-2024

environmental legislation.

Contaminated packaging Do not reuse empty containers.

European Waste Catalogue 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Other information Waste codes should be assigned by the user based on the application for which the

product was used.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN number or ID number Not regulated

14.2 UN proper shipping name

14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated Not applicable 14.5 Environmental hazards

14.6 Special precautions for user

Special Provisions None

IMDG

14.1 UN number or ID number Not regulated 14.2 UN proper shipping name Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group14.5 Marine pollutant Not regulated

NP

14.6 Special precautions for user

Special Provisions None

14.7 Maritime transport in bulk

according to IMO instruments

Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number Not regulated 14.2 UN proper shipping name Not regulated 14.3 Transport hazard class(es) Not regulated Not regulated 14.4 Packing group 14.5 Environmental hazards Not applicable

14.6 Special precautions for user

Special Provisions None

Section 15: REGULATORY INFORMATION

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

European Union

Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

United Kingdom - BE Page 28/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Chemical name	European Export/Import Restrictions per (EC) 649/2012 - Annex Number
Dibutyltin dilaurate	l.1

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Methyl alcohol - 67-56-1	500	5000

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors

Not applicable

National regulations

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking

H225 - Highly flammable liquid and vapour

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H330 - Fatal if inhaled

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H361f - Suspected of damaging fertility

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effects

H412 - Harmful to aquatic life with long lasting effects

H413 - May cause long lasting harmful effects to aquatic life

Notes relating to the identification, classification and labelling of substances

Note V: If the substance is to be placed on the market as fibres (with diameter < 3 μm, length > 5 μm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied

Note W: It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung

United Kingdom - BE Page 29/30

BOSTIK PRO SEALANT PU91 CONSTRUCTION POLYURETHANE BROWN

Supercedes Date: 21-Nov-2023 Revision Number 4.02

Revision date 26-Mar-2024

Notes relating to the classification and labelling of mixtures

Note 2: The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the mixture

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm

Legend

TWA TWA (time-weighted average) **STEL** STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value Skin designation Sk*

SVHC Substance(s) of Very High Concern

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals PBT Very Persistent and very Bioaccumulative (vPvB) Chemicals vPvB

STOT RE Specific target organ toxicity - Repeated exposure STOT SE Specific target organ toxicity - Single exposure

European Waste Catalogue **EWC**

European Agreement concerning the International Carriage of Dangerous Goods by **ADR**

Road

International Maritime Dangerous Goods (IMDG) **IMDG** International Air Transport Association (IATA) IATA

Regulations concerning the International Transport of Dangerous Goods by Rail RID

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

26-Mar-2024 **Revision date**

Indication of changes

SDS sections updated, 1, 3, 9, 16. **Revision note**

AS FROM 24 AUGUST 2023 ADEQUATE TRAINING IS REQUIRED BEFORE **Training Advice**

INDUSTRIAL OR PROFESSIONAL USE For further information, please contact:

https://www.safeusediisocyanates.eu/

No information available **Further information**

This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

United Kingdom - BE Page 30/30