

SEALCRETE SEALOBOND PVA
Supersedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
Revision Number 1.02

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

1.1. Product Identifier

Product Name SEALCRETE SEALOBOND PVA
Pure substance/mixture Mixture

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

Recommended use Primers, Sealers, and Undercoaters.
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 +44 (1785) 272650
Ireland +353 (1) 8624900 (Monday- Friday 9am-5pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Not classified

2.2. Label Elements

Not classified

Signal word

None

Hazard statements

Not classified

EU Specific Hazard Statements

EUH208 - Contains Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone. May produce an allergic reaction

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P280 - Wear protective gloves and eye/face protection

2.3. Other Hazards

Safety Data Sheet

SEALOCRETE SEALOBOND PVA
Supersedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
Revision Number 1.02

No information available

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
2,2,4-Trimethyl-1,3-pentenediol diisobutyrate	229-934-9	6846-50-0	0.1 - <1	Repr. 2 (H361d) Aquatic Chronic 3 (H412)		01-2119451093-47-XXXX
Vinyl acetate	203-545-4	108-05-4	0.1 - <1	STOT SE 3 (H335) Carc. 2 (H351) Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412)		01-2119471301-50-XXXX
Methyl alcohol	200-659-6	67-56-1	0.1 - <1	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)	STOT SE 1 :: C>=10% STOT SE 2 :: 3%<=C<10%	01-2119392409-28-XXXX
2-Bromo-2-nitro-1,3-propanediol	200-143-0	52-51-7	0.01 - <0.1	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) M Factor Acute =10		01-2119980938-15-XXXX
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone	611-341-5	55965-84-9	<0.0015	Acute Tox. 3 (H301) Acute Tox. 3 (H311)	Eye Irrit. 2 :: 0.06%<=C<0.6% Skin Corr. 1B :: C>=0.6%	No data available

Safety Data Sheet

SEALOCRETE SEALOBOND PVA
Supersedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
Revision Number 1.02

lone				Acute Tox. 2 (H330) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) M Factor Acute = 100 M Factor Chronic = 10	Skin Irrit. 2 :: 0.06%≤C<0.6% Skin Sens. 1 :: C≥0.0015%	
------	--	--	--	---	--	--

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Take a copy of the Safety Data Sheet when going for medical treatment.
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

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

Symptoms No information available.

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

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Full water jet. Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Thermal decomposition can lead to release of toxic and corrosive gases/vapours.

Safety Data Sheet

SEALOCRETE SEALOBOND PVA
Supercedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
Revision Number 1.02

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Avoid contact with eyes.

Other information Ventilate the area. Prevent further leakage or spillage if safe to do so.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

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

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. Avoid contact with eyes. Use personal protection recommended in Section 8.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Specific Use(s)
Primers, Sealers, and Undercoaters.

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

Other Information Observe technical data sheet.

Safety Data Sheet

SEALOCRETE SEALOBOND PVA
Supersedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
Revision Number 1.02

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Exposure Limits

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)

2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6846-50-0)

Type	Worker Systemic health effects Long term
Exposure route	Dermal
Derived No Effect Level (DNEL)	3.12 mg/kg bw/d

Type	Worker Systemic health effects Long term
Exposure route	Inhalation
Derived No Effect Level (DNEL)	110 mg/m ³

Derived No Effect Level (DNEL)

2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6846-50-0)

Type	Consumer Systemic health effects Long term
Exposure route	Dermal
Derived No Effect Level (DNEL)	18.8 mg/kg bw/d

Type	Consumer Systemic health effects Long term
Exposure route	Inhalation
Derived No Effect Level (DNEL)	32.6 mg/m ³

Type	Consumer Systemic health effects Long term
Exposure route	Oral
Derived No Effect Level (DNEL)	18.8 mg/kg bw/d

Predicted No Effect Concentration (PNEC) No information available.

Predicted No Effect Concentration (PNEC)

2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6846-50-0)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.014 mg/l
Marine water	0.0014 mg/l
Freshwater sediment	1.15 mg/kg dry weight
Marine sediment	0.115 mg/kg dry weight
Soil	0.926 mg/kg dry weight
Microorganisms in sewage treatment	3 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). Avoid contact with eyes.
Skin and Body Protection	Wear protective gloves and protective clothing.
Respiratory Protection	During spraying wear suitable respiratory equipment.

Environmental Exposure Controls Do not allow into any sewer, on the ground or into any body of water.

Safety Data Sheet

SEALOCRETE SEALOBOND PVA
Supersedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
Revision Number 1.02

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Appearance	viscous
Colour	White
Odour	Slight, Petroleum
Odour Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	4 - 6	
Melting point / freezing point	0 °C	
Boiling point / boiling range	100 °C	
Flash Point	No data available	Not applicable
Evaporation Rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour Pressure	No data available	
Vapour Density	No data available	
Relative Density	1.05 -	None known
Water Solubility	Dispersible	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
Kinematic Viscosity	No data available	
Dynamic Viscosity	No data available	
Explosive properties	No data available	
Oxidising properties	No data available	

9.2. Other information

Solid content (%)	28
Softening Point	No information available
Molecular Weight	No information available
VOC (volatile organic compound)	No information available
Density	No information available
Bulk Density	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 impact	None.
Sensitivity to static discharge	None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal processing.
------------------------------------	-------------------------------

Safety Data Sheet

SEALOCRETE SEALOBOND PVA
 Supersedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
 Revision Number 1.02

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

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

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute Toxicity

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

ATEmix (oral) 88,939.00 mg/kg
 ATEmix (inhalation-dust/mist) 445.58 mg/l
 ATEmix (inhalation-vapour) 2,668.00 mg/l

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate 6846-50-0	> 3200 mg/kg (Rat)	>2000 mg/Kg (Rabbit)	> 5.3 mg/L (Rat) 6 h
Vinyl acetate 108-05-4	= 2900 mg/kg (Rat)	= 2335 mg/kg (Rabbit)	= 11.4 mg/L (Rat) 4 h = 3680 ppm (Rat) 4 h
Methyl alcohol 67-56-1	= 2500 mg/kg (Rat)	200-1000 mg/kg (Rabbit)	= 22500 ppm (Rat) 8 h = 64000 ppm (Rat) 4 h
2-Bromo-2-nitro-1,3-propanediol 52-51-7	= 180 mg/kg (Rat)	= 1600 mg/kg (Rat)	= 800 mg/m ³ (Rat) 4 h > 5 g/m ³ (Rat) 6 h
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone 55965-84-9	= 53 mg/kg (Rat)		

Safety Data Sheet

SEALOCRETE SEALOBOND PVA
Supersedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
Revision Number 1.02

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

Skin corrosion/irritation Based on available data, the classification criteria are not met.

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

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.

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

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	European Union
Vinyl acetate 108-05-4	Carc. 2

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

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea	M-Factor
2,2,4-Trimethyl-1,3-pentane diol diisobutyrate 6846-50-0	-	LC50: >1.55mg/L (96h, Pimephales promelas)	-	EC50: >1.46mg/L (48h, Daphnia magna)	-
Vinyl acetate 108-05-4	-	LC50 96 h = 14 mg/L (Pimephales promelas static)	EC50 = 2080 mg/L 5 min	EC50 48 h = 12.6 mg/L (Daphnia magna)	-
Methyl alcohol 67-56-1	-	LC50: 19500 - 20700mg/L (96h, Oncorhynchus mykiss) LC50: 18 - 20mL/L (96h, Oncorhynchus mykiss) LC50: >100mg/L (96h, Pimephales promelas) LC50: =28200mg/L (96h, Pimephales promelas) LC50: 13500 - 17600mg/L (96h, Lepomis macrochirus)	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	-	-
2-Bromo-2-nitro-1,3-propanediol	EC50 (72h) =0.37 mg/L	=35.7 mg/L (Lepomis)	EC50 = 0.41 mg/L 30 min	EC50 (48h) =1.4 mg/L (Daphnia)	-

Safety Data Sheet

SEALOCRETE SEALOBOND PVA
Supersedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
Revision Number 1.02

52-51-7	(Pseudokirchneriella subcapitata) (OECD 201)	macrochirus) Flow through (EPA OPP 72-1)	EC50 = 0.50 mg/L 15 min EC50 = 0.91 mg/L 5 min	magna, static) (OECD 202)	
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone 55965-84-9	EC50 (72h) = 0.048 mg/L (Pseudokirchneriella subcapitata) (OECD 201)	EC50 (96h) = 0.22 mg/L (Oncorhynchus mykiss) (OECD 211)	-	EC50 (48h) = 0.1 mg/L (Daphnia magna) (OECD 202)	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical Name	Partition coefficient	Bioconcentration factor (BCF)
Vinyl acetate 108-05-4	0.73	-
Methyl alcohol 67-56-1	-0.77	10
2-Bromo-2-nitro-1,3-propanediol 52-51-7	0.22	3.15
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone 55965-84-9	-	3.6

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Chemical Name	PBT and vPvB assessment
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate 6846-50-0	The substance is not PBT / vPvB
Vinyl acetate 108-05-4	The substance is not PBT / vPvB PBT assessment does not apply
Methyl alcohol 67-56-1	The substance is not PBT / vPvB PBT assessment does not apply
2-Bromo-2-nitro-1,3-propanediol 52-51-7	The substance is not PBT / vPvB
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone 55965-84-9	The substance is not PBT / vPvB

12.6. Other adverse effects

Other Adverse Effects No information available.

Endocrine Disruptor Information

Safety Data Sheet

SEALOCRETE SEALOBOND PVA
Supersedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
Revision Number 1.02

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances
Vinyl acetate	Group III Chemical	-

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of contents/ container to an approved landfill.
Contaminated packaging	Do not reuse empty containers. Handle contaminated packages in the same way as the product itself.
Other Information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Note: Keep from freezing.

Land transport (ADR/RID)

14.1 UN Number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None

IMDG

14.1 UN Number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine Pollutant	Np
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

Air transport (ICAO-TI / IATA-DGR)

14.1 UN Number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Safety Data Sheet

SEALOCRETE SEALOBOND PVA
Supersedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
Revision Number 1.02

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

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

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

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical Name	CAS No.	Restricted substance per REACH Annex XVII
Methyl alcohol	67-56-1	69.

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

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

Biocidal Products Regulation (EU) No 528/2012 (BPR)

Contains a biocide : Contains C(M)IT/MIT (3:1). May produce an allergic reaction

Named dangerous substances per Seveso Directive (2012/18/EU)

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

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

H335 - May cause respiratory irritation
H351 - Suspected of causing cancer
H332 - Harmful if inhaled
H225 - Highly flammable liquid and vapour
H412 - Harmful to aquatic life with long lasting effects
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H318 - Causes serious eye damage
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H301 - Toxic if swallowed

Safety Data Sheet

SEALOCRETE SEALOBOND PVA
Supersedes Date: 14-Aug-2017

Revision Date 31-Oct-2018
Revision Number 1.02

H311 - Toxic in contact with skin
H330 - Fatal if inhaled
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H331 - Toxic if inhaled
H370 - Causes damage to organs
H361d - Suspected of damaging the unborn child

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend SECTION 8: Exposure controls/personal protection
TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
Ceiling Maximum limit value * Skin designation
PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
STOT RE Specific target organ toxicity - Repeated exposure
STOT SE Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue

Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

Prepared By Product Safety & Regulatory Affairs

Revision Date 31-Oct-2018

Indication of changes

Revision Note Not applicable.

Training Advice No information available

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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