

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

BOSTIK POWER REPAIR MULTIPURPOSE GLUE Supercedes Date: 23-Dec-2019

Revision date 24-Apr-2020 Revision Number 2.02

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

1.1. Product Identifier BOSTIK POWER REPAIR MULTIPURPOSE GLUE Product Name Pure substance/mixture Mixture 1.2. Relevant identified uses of the substance or mixture and uses advised against **Recommended use** Adhesives and/or sealants. None known Uses advised against 1.3. Details of the supplier of the safety data sheet **Company Name** Bostik SA

420 rue d'Estienne d'Orves 92700 Colombes FRANCE Tel: +33 (0)1 49 00 90 00

E-mail address

SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom Ireland

+44 (1785) 272650 +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

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103 - Read label before use.

2.3. Other Hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

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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	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
3,3'-[Methylenebis(oxym ethylene)]bisheptane	244-815-1	22174-70-5	5 - <10	Aquatic Chronic 4 (H413)		01-2119969504- 29-XXXX
Trimethoxyvinylsilane	220-449-8	2768-02-7	1 - <3	Acute Tox. 4 (H332) Flam. Liq. 3 (H226)		01-2119513215- 52-XXXX
Dioctyltin oxide	212-791-1	870-08-6	1- <2.5	STOT SE 2 (H371)		01-2119971268- 27-xxxx

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

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

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 symptoms persist, call a doctor.	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.	
Ingestion	Call a doctor immediately. If swallowed, rinse mouth with water (only if the person is conscious). Small amounts of toxic methanol are released by hydrolysis.	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms	None known.	

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

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Note to doctors	Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Treat symptomatically.
SECTION 5: Firefight	ing measures

5.1. Extinguishing media		
Suitable extinguishing media	Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.	
Unsuitable extinguishing media	Full water jet.	
5.2. Special hazards arising from t	he substance or mixture	
Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating gases and vapours.	
Hazardous combustion products	Carbon monoxide. Carbon dioxide (CO2).	
5.3. Advice for firefighters		
Special protective equipment for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary.	

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures			
Personal precautions	Use personal protective equipment as required. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing.		
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	Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.		
6.3. Methods and material for cont	tainment 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. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.	
General hygiene considerations	Do not eat, drink or smoke when using this product. Wash hands before breaks and after	

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work.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Protect from moisture. Keep at temperatures between 5 and 35 °C. Keep away from food, drink and animal feedingstuffs. Keep from freezing.

7.3. Specific end use(s)

Specific Use(s) Adhesives and/or sealants. 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

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

Chemical name	European Union	Ireland	United Kingdom
Methyl alcohol	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm
67-56-1	TWA: 260 mg/m ³	TWA: 260 mg/m ³	TWA: 266 mg/m ³
	*	STEL: 600 ppm	STEL: 250 ppm
		STEL: 780 mg/m ³	STEL: 333 mg/m ³
		Sk*	Sk*
Dioctyltin oxide	-	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³
870-08-6		STEL: 0.2 mg/m ³	Sk*

Derived No Effect Level (DNEL) No information available

worker Systemic health effects Long term
Inhalation
27,6 mg/m³
worker Systemic health effects Long term
Dermal
3,9 mg/kg bw/d

Dioctyltin oxide (870-08-6)		
Туре	worker Long term Systemic health effects	
Exposure route	Dermal	
Derived No Effect Level (DNEL)	0.05 mg/kg bw/d	
Туре	worker Long term Systemic health effects	
Exposure route	Inhalation	
Derived No Effect Level (DNEL)	0.004 mg/m ³	

Derived No Effect Level (DNEL)	
Trimethoxyvinylsilane (2768-02-7)	
Туре	Consumer Systemic health effects Long term
Exposure route	Inhalation

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Derived No Effect Level (DNEL)	18,9 mg/m ³	
Туре	Consumer Systemic health effects Long term	
Exposure route	Dermal	
Derived No Effect Level (DNEL)	7,8 mg/kg bw/d	
Туре	Consumer Systemic health effects Long term	
Exposure route	Oral	
Derived No Effect Level (DNEL)	0,3 mg/kg bw/d	
Dioctyltin oxide (870-08-6)		
Туре	Consumer Long term Systemic health effects	
Exposure route	Oral	
Derived No Effect Level (DNEL)	0.0005 mg/kg bw/d	
Туре	Consumer Long term Systemic health effects	
Exposure route	Dermal	
Derived No Effect Level (DNEL)	0.025 mg/kg bw/d	
Туре	Consumer Long term Systemic health effects	
Exposure route	Inhalation	
Derived No Effect Level (DNEL)	0.0009 mg/m ³	

Predicted No Effect Concentration No information available. **(PNEC)**

Predicted No Effect Concentration (PNEC)	
Trimethoxyvinylsilane (2768-02-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.34 mg/l
Marine water	0.034 mg/l
Microorganisms in sewage treatment	110 mg/l
Dioctyltin oxide (870-08-6)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater sediment	0.02798 mg/kg dry weight
Marine sediment	0.002798 mg/kg dry weight
Microorganisms in sewage treatment	100 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 standard EN 166	
Hand protection	Wear suitable gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min. Glove thickness > 0.7mm. Recommended Use:. Neoprene [™] . Nitrile rubber. Butyl rubber. Gloves must conform to standard EN 374	
Skin and body protection	None under normal use conditions.	
Respiratory protection	Wear a respirator conforming to EN 140 with Type A/P2 filter or better. In case of inadequate ventilation wear respiratory protection. Ensure adequate ventilation, especially in confined areas.	
Recommended filter type:	Brown. Organic gases and vapours filter conforming to EN 14387. White.	
Environmental exposure controls	Do not allow uncontrolled discharge of product into the environment.	

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Remarks • Method

CC (closed cup)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Appearance Colour Odour Odour threshold	Liquid No information available Colourless No information available No information available
Property	Values
pH	No data available
Melting point / freezing point	No data available
Boiling point / boiling range	No data available
Flash point	> 100 °C
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable for liquids .
Flammability Limit in Air	
Upper flammability or explosive	No data available
limits	
Lower flammability or explosive	No data available
limits	N I I I I I I I I I I
Vapour pressure	No data available
Vapour density	No data available
Relative density	1 Incoluble in water
Water solubility	Insoluble in water
Solubility(ies)	No data available
Partition coefficient	No data available No data available
Autoignition temperature	No data available
Decomposition temperature Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Oxidialing properties	
9.2. Other information	
Solid content (%)	No information available
VOC Content (%)	No information available
Density	No information available
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SECTION 10: Stability and reactivity

10.1. Reactivity			
Reactivity	Product cures with moisture.		
10.2. Chemical stability			
Stability	Stable under normal conditions.		
Explosion Data Sensitivity to mechanical impact Sensitivity to static discharge	None. None.		
10.3. Possibility of hazardous reactions			

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

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Conditions to avoid	Protect from moisture. Keep from freezing.
10.5. Incompatible materials	
Incompatible materials	None known based on information supplied.
10.6. Hazardous decomposition	products
Hazardous decomposition products	None under normal use conditions.

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)	7,389.50 mg/kg		
ATEmix (dermal)	5,827.60 mg/kg		
ATEmix (inhalation-vapour)	471.46 mg/l		

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Trimethoxyvinylsilane	LD50 = 7120 -7236 mg/kg	= 3360 µL/kg (Oryctolagus	LC50 (4hr) 16.8 mg/l (Rattus)
2768-02-7	(Rattus) OECD 401	cuniculus)	OECD TG 403
Dioctyltin oxide	=2500 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus)	
870-08-6		OECD 402	

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.

Component Information					
Trimethoxyvinylsilar	Trimethoxyvinylsilane (2768-02-7)				
Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal	0.5 mL	24 hours	Non-irritant

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

Component Information					
Trimethoxyvinylsilane (2768-02-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye		24 hours	Non-irritant
Acute Eye					
Irritation/Corrosion					

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

Component Information				
Trimethoxyvinylsilane (2768-02-7)				
Method	Species	Exposure route	Results	
OECD Test No. 406: Skin	Guinea pig	Dermal	Not a skin sensitiser	
Sensitisation				

Germ cell mutagenicity

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

Component Information				
Trimethoxyvinylsilane (2768-02-7)				
Method	Species	Results		
OECD Test No. 471: Bacterial Reverse	in vitro	Not mutagenic		
Mutation Test				

Carcinogenicity

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

Reproductive toxicity

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

Component Information		
Trimethoxyvinylsilane (2768-02-7)		
Method	Species	Results
OECD Test No. 422: Combined Repeated	Rat	Not Classifiable
Dose Toxicity Study with the		
Reproduction/Developmental Toxicity		
Screening Test		

STOT - single exposure

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

Component Information					
Dioctyltin oxide (870-08-6)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developme ntal Toxicity Screening Test	Rat	Oral	5 mg/kg	28 days	0.3 - 0.5 mg/kg bw/d May cause damage to the following organs: Immune system

STOT - repeated exposure

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

Component Information

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Dioctyltin oxide (870-08-6)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rat Rabbit				0.3 -0.5 mg/kg
					bw/d

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	M-Factor (long-term)
Trimethoxyvinylsilane 2768-02-7	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	LC50 (96h) = 191 mg/l (Oncorhynchus mykiss)	-	EC50(48hr) 168.7mg/l (Daphnia magna)		
Dioctyltin oxide 870-08-6	EC50 (3hr) >1.000 mg/l (bacteria) (Activated Sludge, Respiration Inhibition Test)	LC50 (96hr) >0,09 mg/l (Brachydanio rerio (zebra)) (Acute Toxicity Test)	-	EC50 (48Hr) >0,21 mg/l (Daphnia magna (Dappnia magna)) (Daphnia sp. Acute Immobilisation Test)		

12.2. Persistence and degradability

Persistence and degradability No information available.

Component Information				
Trimethoxyvinylsilane (2768-02-7)				
Method	Exposure time	Value	Results	
OECD Test No. 301F: Ready	28 days	BOD	51 % Not readily	
Biodegradability: Manometric			biodegradable	
Respirometry Test (TG 301 F)				

Dioctyltin oxide (870-08-6)				
Method	Exposure time	Value	Results	
OECD Test No. 301F: Ready	755 hours	biodegradation	Not readily biodegradable 2	
Biodegradability: Manometric		-	%	
Respirometry Test (TG 301 F)				

12.3. Bioaccumulative potential

Bioaccumulation

There is no data for this product.

Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Trimethoxyvinylsilane	1.1	-
2768-02-7		
Dioctyltin oxide	6	0.5

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870-08-6

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
3,3'-[Methylenebis(oxymethylene)]bisheptane 22174-70-5	The substance is not PBT / vPvB
Trimethoxyvinylsilane 2768-02-7	The substance is not PBT / vPvB
Dioctyltin oxide 870-08-6	The substance is not PBT / vPvB

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Uncured product should be disposed of as hazardous waste. Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.
Contaminated packaging	Handle contaminated packages in the same way as the product itself.
Waste codes / waste designations according to EWC / AVV	15 01 10*: Packaging containing residues of or contaminated by dangerous substances. 16 03 03* inorganic wastes containing hazardous substances. 16 05 05 gases in pressure containers other than those mentioned in 16 05 04. Waste codes should be assigned by the user based on the application for which the product was used.
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	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 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing group	Not regulated Not regulated Not regulated Not regulated

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14.5 Marine PollutantNp14.6 Special ProvisionsNone14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC CodeNot applicable

Air transport (ICAO-TI / IATA-De	<u>GR)</u>
14.1 UN number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es	
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.

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)

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). 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
Dioctyltin oxide	870-08-6	20

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)

Export Notification requirements

This product contains substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals

Chemical name	European Export/Import Restrictions per (EC) 689/2008 - Annex Number
Dioctyltin oxide	l.1

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

Persistent Organic Pollutants

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Not applicable

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

H226 - Flammable liquid and vapour

H332 - Harmful if inhaled

H371 - May cause damage to organs

H413 - May cause long lasting harmful effects to aquatic life

Legend	
TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) 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

No information available

Prepared By	Product Safety & Regulatory Affairs
Revision date	24-Apr-2020
Indication of changes	
Revision note	SDS sections updated, 1, 3, 4, 6, 7, 8, 11, 12, 13, 16.
Training Advice	When working with hazardous materials, regular training of operators is required by law
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