

Page 1 of 13 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revised on / Version: 03.07.2015 / 0007 Replaces revision of / Version: 29.04.2015 / 0006 Valid from: 03.07.2015 PDF print date: 03.07.2015 Acrylic Sealant Plus grey 310 ml Art.: 9075874

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

Acrylic Sealant Plus grey 310 ml Art.: 9075874 1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture: Seam sealant Sector of use [SU]: SU 0 - Other SU 1 - Agriculture, forestry, fishery SU19 - Building and construction work SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Chemical product category [PC]: PC 1 - Adhesives, sealants Process category [PROC]: PROC19 - Hand-mixing with intimate contact and only PPE available Uses advised against: No information available at present.

1.3 Details of the supplier of the safety data sheet ${\rm (\overline{OB})}$

BTI Befestigungstechnik GmbH & Co. KG, Salzstr. 51, 74653 Ingelfingen, Germany Phone: +49 7940 141 256, Fax: +49 7940 141 9256 Stefan.Haug@bti.de, www.bti.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number Emergency information services / official advisory body:

Telephone number of the company in case of emergencies: +49(0)700/24112(BRC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) 1272/2008 (CLP) The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.2 Label elements Labeling according to Regulation (EC) 1272/2008 (CLP)



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EUH208-Contains Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1). May produce an allergic reaction. EUH210-Safety data sheet available on request.

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

REGULATION (EC) No 648/2004

n.a.

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

2) Mintune	
3.2 Mixture	
Registration number (REACH)	
Index	-
EINECS, ELINCS, NLP	-
CAS	-
content %	
Classification according to Regulation (EC) 1272/2008	
(CLP)	

SECTION 4: First aid measures

4.1 Description of first aid measures

Never pour anything into the mouth of an unconscious person! **Inhalation** Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms. **Skin contact** Wipe off residual product carefully with a soft, dry cloth. Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor. **Eye contact** Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary. **Ingestion** Rinse the mouth thoroughly with water. Call doctor immediately - have Data Sheet available.



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4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours. **4.3 Indication of any immediate medical attention and special treatment needed** n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Water jet spray/foam/CO2/dry extinguisher
Unsuitable extinguishing media
High volume water jet
5.2 Special hazards arising from the substance or mixture
In case of fire the following can develop:
Oxides of carbon
Toxic gases
5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes.
Protective respirator with independent air supply.
Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure sufficient supply of air.
Avoid contact with eyes or skin.
6.2 Environmental precautions
If leakage occurs, dam up.
Resolve leaks if this possible without risk.
Prevent surface and ground-water infiltration, as well as ground penetration.
Prevent from entering drainage system.
6.3 Methods and material for containment and cleaning up
Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.
Or:
Pick up mechanically and dispose of according to Section 13.
6.4 Reference to other sections
For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1. **7.1 Precautions for safe handling 7.1.1 General recommendations** Ensure good ventilation. Avoid contact with eyes. Avoid long lasting or intensive contact with skin. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.



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Observe directions on label and instructions for use.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Store at room temperature.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Diisononyl phthalate			Content %:
WEL-TWA: 5 mg/m3	WEL-STEL:			
Monitoring procedures:				
BMGV:		Other information	:	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). |WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). |BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

Diisononyl phthalate					
Area of application	Exposure route /	Unit	Note		
	Environmental	or			
	compartment				
	Environment - soil	PNEC	30	mg/kg	
	Environment - oral	PNEC	150	mg/kg	
	(animal feed)				

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.



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Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection: If there is a risk of contact with the eyes or while decanting: Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection: Chemical resistant protective gloves (EN 374). If applicable Safety gloves made of natural rubber latex (EN 374). Protective nitrile gloves (EN 374) Minimum layer thickness in mm: >=0,4 Permeation time (penetration time) in minutes: > 480 The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time. Protective hand cream recommended.

Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection: Normally not necessary.

Thermal hazards: Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.



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9.1 Information on basic physical and chemical properties

Physical state: Colour: Odour: Odour threshold: pH-value: Melting point/freezing point: Initial boiling point and boiling range: Flash point: Evaporation rate: Flammability (solid, gas): Lower explosive limit: Upper explosive limit: Vapour pressure: Vapour density (air = 1): Density: Bulk density: Solubility(ies): Water solubility: Partition coefficient (n-octanol/water): Auto-ignition temperature: Decomposition temperature: Viscosity: Explosive properties: Oxidising properties: 9.2 Other information Miscibility: Fat solubility / solvent: Conductivity: Surface tension: Solvents content: Directive 2010/75/EU (VOC):

Pastelike, Solid According to specification Characteristic Not determined Not determined Not determined 100,0 °C n.a. Not determined n.a. Not determined Not determined Not determined Not determined 1,72 g/cm3 (20°C) n.a. Not determined Not miscible Not determined No Not determined Not determined Product is not explosive. No Not determined Not determined Not determined Not determined Not determined 0,99 %

SECTION 10: Stability and reactivity

10.1 Reactivity
Not to be expected
10.2 Chemical stability
Stable with proper storage and handling.
10.3 Possibility of hazardous reactions
No dangerous reactions are known.
10.4 Conditions to avoid
See also section 7.
None known
10.5 Incompatible materials
See also section 7.
None known
10.6 Hazardous decomposition products
See also section 5.2
No decomposition when used as directed.



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SECTION 11: Toxicological information

Possibly more information Acrylic Sealant Plus grey		,		*	,	
Art.: 9075874	, 210 111					
Toxicity / effect	Endp oint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral						n.d.a.
route:						
Acute toxicity, by						n.d.a.
dermal route:						
Acute toxicity, by						n.d.a.
inhalation:						
Skin corrosion/irritation:						n.d.a.
Serious eye						n.d.a.
damage/irritation:						
Respiratory or skin						n.d.a.
sensitisation:						
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ						n.d.a.
toxicity - single						
exposure (STOT-SE):						
Specific target organ						n.d.a.
toxicity - repeated						
exposure (STOT-RE):						
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Diisononyl phthalate						
Toxicity / effect	Endp	Value	Unit	Organism	Test method	Notes
	oint					
Acute toxicity, by oral	LD50	>10000	mg/kg	Rat	OECD 401	
route:					(Acute Oral	
					Toxicity)	
Acute toxicity, by	LD50	>3160	mg/kg	Rabbit		
dermal route:						
Acute toxicity, by	LC50	>4,4	mg/l/4	Rat		Aerosol
inhalation:			h			
Skin corrosion/irritation:				Rabbit	OECD 404	Not irritant
					(Acute Dermal	
					Irritation/Corrosi	
					on)	
Serious eye				Rabbit	OECD 405	Not irritant
damage/irritation:					(Acute Eye	
					Irritation/Corrosi	
					on)	
Respiratory or skin						Not sensitizising
sensitisation:						



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Germ cell mutagenicity:	Mammalia	No indications of
	n	such an effect.
Carcinogenicity:		No indications of
		such an effect.
Reproductive toxicity:		No indications of
		such an effect.
Specific target organ		No indications of
toxicity - single		such an effect.
exposure (STOT-SE):		
Symptoms:		diarrhoea, nausea
		and vomiting.

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Acrylic Sealant Plus grey 310 ml									
Art.: 9075874									
Toxicity / effect	Endpoi	Time	Valu	Unit	Organism	Test method	Notes		
	nt		e						
Toxicity to fish:							n.d.a.		
Toxicity to							n.d.a.		
daphnia:									
Toxicity to algae:							n.d.a.		
Persistence and							n.d.a.		
degradability:									
Bioaccumulative							n.d.a.		
potential:									
Mobility in soil:							n.d.a.		
Results of PBT							n.d.a.		
and vPvB									
assessment									
Other adverse							n.d.a.		
effects:									

Diisononyl phthalate								
Toxicity / effect	Endpoi	Time	Valu	Unit	Organism	Test method	Notes	
	nt		e					
Toxicity to fish:	LC50	96h	>100	mg/l	Brachydanio	84/449/EEC		
					rerio	C.1		
Toxicity to	EC50	24h	>74	mg/l	Daphnia	84/449/EEC		
daphnia:					magna	C.2		
Toxicity to	NOEC/	21d	>101	mg/l	Daphnia	OECD 202		
daphnia:	NOEL				magna	(Daphnia sp.		
						Acute		
						Immobilisati		
						on Test)		
Toxicity to algae:	EC50	72h	>88	mg/l	Scenedesmus	84/449/EEC		
					subspicatus	C.3		



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Toxicity to algae:	NOEC/ NOEL	72h	88	mg/l	Scenedesmus subspicatus		
Persistence and		28d	81	%	activated	Regulation	Readily
degradability:					sludge	(EC) 440/2008	biodegradable
						C.4-C	
						(DETERMIN	
						ATION OF	
						'READY'	
						BIODEGRA	
						DABILITY -	
						CO2	
						EVOLUTIO	
						N TEST)	
Bioaccumulative	BCF	14d	<3				Analogous
potential:	_						conclusion
Bioaccumulative	Log		9,37-				calculated value
potential:	Pow		10,7				
Mobility in soil:	Н		0,00	atm*			
	(Henry)		0001	m3/m			
			49	ol			
Mobility in soil:	Koc		>500 0				
Toxicity to	EC20	3h	>83	mg/l	activated	OECD 209	
bacteria:					sludge	(Activated	
						Sludge,	
						Respiration	
						Inhibition	
						Test	
						(Carbon and	
						Ammonium	
						Oxidation))	
Other organisms:	LC50	14d	>737	mg/kg	Eisenia	OECD 207	
			2		foetida	(Earthworm,	
						Acute	
						Toxicity	
<u></u>	1075			~ ~		Tests)	
Other organisms:	NOEC/	56d	>982	mg/kg	Eisenia		
	NOEL		,4		foetida		

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

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



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Recommendation: Sewage disposal shall be discouraged. Pay attention to local and national official regulations. E.g. suitable incineration plant. E.g. dispose at suitable refuse site. **For contaminated packing material** Pay attention to local and national official regulations. Empty container completely. Uncontaminated packaging can be recycled. Dispose of packaging that cannot be cleaned in the same manner as the substance. 15 01 10 packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

General statements							
UN number:	n.a.						
Transport by road/by rail (ADR/RID)							
UN proper shipping name:							
Transport hazard class(es):	n.a.						
Packing group:	n.a.						
Classification code:	n.a.						
LQ (ADR 2015):	n.a.						
Environmental hazards:	Not applicable						
Tunnel restriction code:							
Transport by sea (IMDG-code)							
UN proper shipping name:							
Transport hazard class(es):	n.a.						
Packing group:	n.a.						
Marine Pollutant:	n.a						
Environmental hazards:	Not applicable						
Transport by air (IATA)							
UN proper shipping name:							
Transport hazard class(es):	n.a.						
Packing group:	n.a.						
Environmental hazards:	Not applicable						
Special precautions for user							
Unless specified otherwise, general measures for safe transport must be followed.							
Transport in bulk according to Annex II of MARPOL and the IBC Code							
Non-dangerous material according to Transport Regulations.							

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture For classification and labelling see Section 2. Observe restrictions: Regulation (EC) No 1907/2006, Annex XVII Diisononyl phthalate General hygiene measures for the handling of chemicals are applicable. Directive 2010/75/EU (VOC): 0,99 %



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Directive 2010/75/EU (VOC): 1 15.2 Chemical safety assessment A chemical safety assessment is not provided for mixtures.

17,2 g/l

SECTION 16: Other information

Revised sections:

1 - 16

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

Any abbreviations and acronyms used in this document:

AC Article Categories acc., acc. to according, according to ACGIH American Conference of Governmental Industrial Hygienists ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road) AOEL Acceptable Operator Exposure Level AOX Adsorbable organic halogen compounds approximately approx. Article number Art., Art. no. ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP) BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF Bioconcentration factor BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation) BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol) BMGVBiological monitoring guidance value (EH40, UK) BOD Biochemical oxygen demand BSEF Bromine Science and Environmental Forum bw body weight CAS Chemical Abstracts Service CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques CIPACCollaborative International Pesticides Analytical Council CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic COD Chemical oxygen demand



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CTFA Cosmetic, Toiletry, and Fragrance Association DMEL Derived Minimum Effect Level DNEL Derived No Effect Level DOC Dissolved organic carbon DT50 Dwell Time - 50% reduction of start concentration DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes) dw dry weight e.g. for example (abbreviation of Latin 'exempli gratia'), for instance EC European Community ECHA European Chemicals Agency EEA European Economic Area EEC European Economic Community EINECS European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances EN European Norms EPA United States Environmental Protection Agency (United States of America) ERC **Environmental Release Categories** ES Exposure scenario et cetera etc. EU European Union EWC European Waste Catalogue Fax. Fax number general gen. GHS Globally Harmonized System of Classification and Labelling of Chemicals GWP Global warming potential HET-CAM Hen's Egg Test - Chorionallantoic Membrane HGWPHalocarbon Global Warming Potential IARC International Agency for Research on Cancer IATA International Air Transport Association IBC Intermediate Bulk Container IBC (Code) International Bulk Chemical (Code) IC Inhibitory concentration IMDG-code International Maritime Code for Dangerous Goods including, inclusive incl. IUCLID International Uniform ChemicaL Information Database LC lethal concentration LC50 lethal concentration 50 percent kill LCLo lowest published lethal concentration Lethal Dose of a chemical LD LD50 Lethal Dose, 50% kill LDLo Lethal Dose Low LOAEL Lowest Observed Adverse Effect Level LOEC Lowest Observed Effect Concentration LOEL Lowest Observed Effect Level Limited Quantities LQ MARPOL International Convention for the Prevention of Marine Pollution from Ships not applicable n.a. not available n.av. not checked n.c. n.d.a. no data available



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- NIOSH National Institute of Occupational Safety and Health (United States of America)
- NOAEC No Observed Adverse Effective Concentration

NOAEL No Observed Adverse Effect Level

NOEC No Observed Effect Concentration

NOEL No Observed Effect Level

ODP Ozone Depletion Potential

OECD Organisation for Economic Co-operation and Development

org. organic

PAH polycyclic aromatic hydrocarbon

PBT persistent, bioaccumulative and toxic

PC Chemical product category

PE Polyethylene

PNEC Predicted No Effect Concentration

POCP Photochemical ozone creation potential

ppm parts per million

PROC Process category

PTFE Polytetrafluorethylene

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)

REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation RID concerning the International Carriage of Dangerous Goods by Rail)

SADT Self-Accelerating Decomposition Temperature

SAR Structure Activity Relationship

Sector of use SU

SVHC Substances of Very High Concern

Tel. Telephone

ThOD Theoretical oxygen demand

TOC Total organic carbon

TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria)) VbF

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).

WHO World Health Organization

wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.