



PASSIVETEC[®] NT ACRYLIC SEALANT

MATERIAL SAFETY DATASHEET

V3 17-01-13 E

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING *

1.1	Product identifier	
	Trade Name	PassiveTec® NT SEAL
1.2	Relevant identified uses of the substance or mixture and uses advised against	Acrylic sealant
	Application of the substance / the mixture	Acrylic sealant for construction joints Fire-resistant acrylic sealant
1.3	Details of the supplier of the safety data sheet	
	Manufacturer/Supplier	PassiveTec® SIG plc Hillsborough works Langsett Road Sheffield S6 2LW
	Telephone	+44 (0)1925 860999
	Email	info@passivetec.com
1.4	Emergency telephone number	+44 (0) 1925 860999 (Mon-Fri 0900-1700 Hrs)
	Languages spoken	English

2. HAZARDS IDENTIFICATION *

2.1	Classification of the substance or mixture	
	Classification according to Regulation (EC) No 1272/2008	The product is not classified according to the CLP regulation.
2.2	Label elements	According to Regulation (EC) No 1272/2008 Void
	Hazard pictograms	Void
	Signal Word	Void
	Hazard Statements	Void
	Precautionary Statement	P102 Keep out of reach of children. P262 Do not get in eyes, on skin, or on clothing.
2.3	Other hazards	Results of PBT and vPvB assessment
	PBT	Not applicable.
	vPvB	Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS *

3.2	Chemical characterisation: Mixtures	Mixture of substances listed below with nonhazardous additions.
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Hazardous components

CAS: 107-21-1	ethanediol	☠ STOT RE 2, H373; ⚠ Acute Tox. 4, H302	<2.5%
EINECS: 203-473-3			
Reg.nr.: 01-2119456816-28-XXXX			

Additional Information: For the wording of the listed hazard phrases refer to section 16.



4. FIRST AID MEASURES *

4.1 Description of first aid measures

General information	No special measures required.
After inhalation	Supply fresh air; consult doctor in case of complaints.
After skin contact	Generally the product does not irritate the skin. Immediately wash with water and soap and rinse thoroughly.
After eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing	Do not induce vomiting. If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIREFIGHTING MEASURES *

5.1 Extinguishing media

Suitable extinguishing agents	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents	Water with full jet.

5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

5.3 Advice for firefighters

Protective equipment: Mouth respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES *

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Do not allow to enter sewers / surface or ground water.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).


6.4	Reference to other sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
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7. HANDLING AND STORAGE *

7.1	Precautions for safe handling	Store in cool, dry place in tightly closed receptacles.
7.2	Conditions for safe storage, including any incompatibilities	
	Requirements to be met by storerooms and receptacles	Store only in unopened original receptacles.
	Information about storage in one common storage facility	Not required.
	Further information about storage conditions	Store in cool, dry conditions in well sealed receptacles.
7.3	Specific end use(s)	See Section: 1.2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION *

Additional information about design of technical facilities: No further data; see item 7.

8.1	Control parameters	
	Ingredients with limit values that require monitoring at the workplace	CAS: 107-21-1 Ethane-1,2-diol CAS: 111-46-6 2,2'-Oxydiethanol WEL Long-term value: 52 mg/m ³ , 20 ppm WEL Short term value: 104 mg/m ³ , 40 ppm
8.2	Exposure controls	
	Personal protective equipment:	
	General protective and hygienic measures	Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working.
	Respiratory protection	Not required.
	Protection of hands	 <p>Protective gloves CEN Standards: EN 374-1, EN 374-2, EN 374-3, EN 420 The glove material has to be impermeable and resistant to the product / the substance / the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.</p>

Material of gloves	Nitrile rubber. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection	Goggles recommended during refilling.
Body protection	Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES *

9.1 Information on basic physical and chemical properties

General Information:

Appearance

Form	Paste
Colour	Various colours
Odour	Ammonia-like
pH-value at 20 °C	8
Change in condition:	
Melting point/Melting range	Not determined
Boiling point/Boiling range	Not determined
Flash point	> 300 °C
Self-igniting	Product is not selfigniting
Danger of explosion	Product does not present an explosion hazard
Vapour pressure	Not determined
Density at 20 °C	1.6 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Solubility in / Miscibility with:	
Water	Not miscible or difficult to mix
Viscosity:	
Dynamic at 20 °C	150000 mPas
Kinematic	Not determined
Solvent content:	
VOC (EC)	16 g/l 1.00%

9.2 Other information

No further relevant information available

10. STABILITY AND REACTIVITY

10.1	Reactivity	No further relevant information available.
10.2	Chemical stability Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications.
10.3	Possibility of hazardous reactions	No dangerous reactions known.
10.4	Conditions to avoid	No further relevant information available.
10.5	Incompatible materials	No further relevant information available.
10.6	Hazardous decomposition products	No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects Acute toxicity Primary irritant effect: Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT - single exposure STOT - repeated exposure Aspiration hazard	Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.
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12. ECOLOGICAL INFORMATION

12.1	Toxicity Aquatic toxicity	No further relevant information available.
12.2	Persistence and degradability	No further relevant information available.
12.3	Bioaccumulative potential	No further relevant information available.
12.4	Mobility in soil	No further relevant information available.

Additional ecological information:

General notes

Water hazard class 1 (German Regulation) (Self-assessment):
slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach
ground water, water course or sewage system.

12.5 Results of PBT and VPVB assessment

PBT

Not applicable.

vPvB

Not applicable.

12.6 Other adverse effects

No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Smaller quantities can be disposed of with household waste.

Uncleaned packaging

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

14.1 UN number

ADR / ADN / IMDG / IATA

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

ADR / IMDG / IATA

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

UN "Model Regulation"

Not applicable

15. REGULATORY INFORMATION

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

EC 1907/2006 Regulation, REACH

EC 1272/2008 Regulation, CLP

EU 2015/830 Regulation

Directive 2012/18/EU

Named dangerous substances - ANNEX I	None of the ingredients is listed.
REGULATION (EC) No 1907/2006 ANNEX XVII	Entry 52(b): <0.1% w/w in toys and childcare articles
Other regulations, limitations and prohibitive regulations	
Substances of very high concern (SVHC) according to REACH, Article 57	None of the ingredients is listed.
15.2 Chemical Safety Assessment	A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION *

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant Phrases	H302 Harmful if swallowed. H373 May cause damage to organs through prolonged or repeated exposure.
Abbreviations and acronyms	ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity – Category 4 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Data compared to the previous version altered.

Sections marked with * have been changed, compared to the previous version of safety data sheet.



The information contained in this document is based on current knowledge and complies with the relevant EU legislation. However the methods and conditions of use of any product described, are the responsibility of the user. The product must not be used for any purpose other than those designated in this document, except in the case of written approval by the company on how to handle the product. It is the responsibility of the user to ensure full compliance with current local legislations. The information contained in this document only contains information for the preparation of the product and does not constitute a warranty of its properties.

DISTRIBUTORS

UK & Europe (Excluding Spain)

Shirley McGowan

Email: smcgowan@pfpfiresystems.com

Phone: +44 1452 835686

Spain

Marcos Briceño

Email: mbriceno@passivetec.es

Phone: +34 638 447316

Africa

Iain Giffen

Email: igiffen@pfpfiresystems.com

Phone: +44 1452 835686 or +357 99 630618

Asia & Australasia

Iain Giffen

Email: igiffen@pfpfiresystems.com

Phone: +44 1452 835686 or +357 99 630618

North America

Iain Giffen

Email: igiffen@pfpfiresystems.com

Phone: -1-800-243-6677

Latin America

Email: info@passivetec.com

Middle East

Iain Giffen

Email: igiffen@pfpfiresystems.com

Phone: +44 1452 835686 or +357 99 630618

www.passivetec.com

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