



# PASSIVETEC<sup>®</sup> XT INTUMESCENT SEALANT



## MATERIAL SAFETY DATASHEET

V3 17-01-13 E

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

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

## 2. HAZARDS IDENTIFICATION \*

<b>2.1</b>	<b>Classification of the substance or mixture</b>	
	Classification according to Regulation (EC) No 1272/2008	 GHS07 Eye Irrit. 2 H319 Causes serious eye irritation. Skin Sens. 1 H317 May cause an allergic skin reaction
<b>2.2</b>	<b>Label elements</b>	According to Regulation (EC) No 1272/2008
	The product is classified and labelled according to the CLP regulation	
	Hazard pictograms	 GHS07
	Signal Word	<b>Warning</b>
	Hazard-determining components of labelling	methyltri(methylethylketoxime)silane Aminopropyltriethoxysilane Vinyl oximine silane Tetrakis((sec-butylideneamino)oxy)silane 2-butanone oxime
	Hazard Statements	H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.
	Precautionary statements:	
	P102	Keep out of reach of children.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.

P264	Wash hands thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of water.

### 2.3 Other hazards

PBT	Results of PBT and vPvB assessment
vPvB	Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS \*

### 3.2 Chemical characterisation: Mixtures

Mixture of substances listed below with nonhazardous additions.

Dangerous components		
CAS: 22984-54-9 EINECS: 245-366-4	methyltri(methylethylketoxime)silane ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	<2.5%
CAS: 919-30-2 EINECS: 213-048-4 Reg.nr.: 01-2119480479-24-XXXX	Aminopropyltriethoxysilane ⚠ Skin Corr. 1B, H314; H317 ⚠ Acute Tox. 4, H302; Skin Sens. 1,	<2.5%
CAS: 2224-33-1 EINECS: 218-747-8 Reg.nr.: 01-2119982966-14-XXXX	Vinyl oximine silane ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317	<2.5%
CAS: 34206-40-1 EINECS: 251-882-0	Tetrakis((sec-butylideneamino)oxy)silane ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	<1%
CAS: 96-29-7 EINECS: 202-496-6 Reg.nr.: 01-2119539477-28	2-butanone oxime ⚠ Carc. 2, H351; Skin Sens. 1, H317 ⚠ Eye Dam. 1, H318; Acute Tox. 4, H312;	<1%

#### 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

After inhalation	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
After skin contact	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
After eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing	Do not induce vomiting; call for medical help immediately.

- |     |  |  |
|-----|--|--|
| 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 | <p>Extinguishing media</p> <p>Suitable extinguishing agents</p> | CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. |
| 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). Dispose contaminated material as waste according to item 13.<br>Ensure adequate ventilation. |
| 6.4 | Reference to other sections   | See Section 7 for information on safe handling.<br>See Section 8 for information on personal protection equipment.<br>See Section 13 for disposal information.                                |

## 7. HANDLING AND STORAGE \*

- |     |   |  |
|-----|---|--|
| 7.1 | <p>Precautions for safe handling</p><br><p>Information about fire - and explosion protection</p>  | <p>Ensure good ventilation / exhaustion at the workplace.<br/>Open and handle receptacle with care.<br/>Prevent formation of aerosols.</p> <p>Keep ignition sources away - Do not smoke.<br/>Keep respiratory protective device available.</p> |
| 7.2 | <p>Conditions for safe storage, including any incompatibilities</p> <p>Storage:</p> <p>Requirements to be met by storerooms and receptacles</p> <p>Information about storage in one common storage facility</p> <p>Further information about storage conditions</p> | <p>Store only in unopened original receptacles.<br/>Keep away from water and moisture.</p> <p>Not required.</p> <p>Store in a cool place.</p>  |
| 7.3 | Specific end use(s)   | No further relevant information available.   |

## 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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### 8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.

Respiratory protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands



#### Protective gloves

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.

Material of gloves

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



Tightly sealed goggles.

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	Characteristic
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
Flammability (solid, gaseous)	Not applicable
Ignition temperature:	
Decomposition temperature	Not determined
Self-igniting	Product is not selfigniting
Danger of explosion	Product does not present an explosion hazard
Vapour pressure	Not determined
Density at 20 °C	1.3 - 1.6 g/cm <sup>3</sup>
Relative density	Not determined
Solubility in / Miscibility with	
Water	Not miscible or difficult to mix
Partition coefficient (n-octanol/water)	Not determined
Viscosity:	
Dynamic at 20 °C	200000 mPas
Kinematic	Not determined
Solvent content:	
VOC (EC)	2.00% 26.6 g/l
<b>9.2 Other information</b>	No further relevant information available

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Primary irritant effect:	
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Causes serious eye irritation..
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
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.

## 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

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Disposal must be made according to official regulations.

## 14. TRANSPORT INFORMATION

		ADR / ADN / IMDG / IATA
14.1	UN number	Not applicable
14.2	UN proper shipping name	Not applicable
14.3	Transport hazard class(es)	Not applicable
		ADR / IMDG / IATA
14.4	Packing group	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.
	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. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H351 Suspected of causing cancer.
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## 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  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1B: Skin sensitisation – Category 1B  
Carc. 2: Carcinogenicity – Category 2



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