

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** PROTECTA FR GRAPHITE SEALANT

**Product code:** PRO010

**Synonyms:** GRAPHITE SEALANT  
HIGH EXPANSION SEALANT  
HIGH PRESSURE SEALANT

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

**Use of substance / mixture:** PC1: Adhesives, sealants.

### 1.3. Details of the supplier of the safety data sheet

**Company name:** Polyseam Ltd  
15 St Andrews Road  
Huddersfield  
West Yorkshire  
HD1 6SB  
United Kingdom  
**Tel:** +44 (0)1484 421036  
**Email:** post.uk@polyseam.com

### 1.4. Emergency telephone number

**Emergency tel:** +44 (0)1484 421036  
(office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** This product has no classification under CLP.

### 2.2. Label elements

**Label elements:**

**Precautionary statements:** P102: Keep out of reach of children.  
P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

**Other hazards:** No data available.

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**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3: Composition/information on ingredients**

**3.2. Mixtures**

**\* Hazardous ingredients:**

PHENOL ISOPROPYLATED PHOSPHATE (3:1) TRIPHENYL PHOSPHATE>5% - REACH registered number(s): 01-2119535109-41-0000

EINECS	CAS	PBT / WEL	CLP Classification	Percent
273-066-3	68937-41-7	-	Repr. 2: H361f; STOT RE 2: H373; Aquatic Chronic 1: H410; Repr. 2: H361d	<2%

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Not applicable.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

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

**Immediate / special treatment:** Not applicable.

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** In combustion emits toxic fumes.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

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**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Absorb into dry earth or sand. Collect mechanically for disposal.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Ensure there is sufficient ventilation of the area.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in a cool, well ventilated area.

**Suitable packaging:** Must only be kept in original packaging.

**7.3. Specific end use(s)**

**Specific end use(s):** No data available.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**DNEL/PNEC Values**

**Hazardous ingredients:**

**PHENOL ISOPROPYLATED PHOSPHATE (3:1) TRIPHENYL PHOSPHATE>5%**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	0.145mg/m3	Workers	Systemic
DNEL	Inhalation	700mg/m3	Workers	Systemic
DNEL	Dermal	16mg/cm2	Workers	Local
DNEL	Dermal (repeated dose)	0.417mg/kg	Workers	Systemic
DNEL	Dermal	2000mg/kg	Workers	Systemic
DNEL	Inhalation (repeated dose)	0.07mg/m3	General Population	Systemic
DNEL	Inhalation	350mg/m3	General Population	Systemic
DNEL	Oral (repeated dose)	0.04mg/kg	General Population	Systemic
DNEL	Dermal	8mg/cm2	General Population	Local

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DNEL	Dermal (repeated dose)	0.208mg/kg	General Population	Systemic
DNEL	Dermal	100mg/kg	General Population	Systemic
PNEC	Fresh water	0.00031mg/l	-	-
PNEC	Marine water	0.000031mg/l	-	-
PNEC	Fresh water sediments	0.185mg/kg	-	-
PNEC	Marine sediments	0.0185mg/kg	-	-
PNEC	Soil (agricultural)	2.5mg/kg	-	-
PNEC	Microorganisms in sewage treatment	100mg/l	-	-

### 8.2. Exposure controls

**Engineering measures:** Not applicable.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Gloves are not normally required.

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing.

**Environmental:** No special requirement.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Paste

**Colour:** Dark grey

**Odour:** Characteristic odour

**Evaporation rate:** Not applicable.

**Oxidising:** Not applicable.

**Solubility in water:** Soluble

**Viscosity:** Highly viscous

**Boiling point/range°C:** >100

**Melting point/range°C:** Not applicable.

**Flammability limits %: lower:** Not applicable.

**Flash point°C:** Not applicable.

**Autoflammability°C:** Not applicable.

**Vapour pressure:** Not applicable.

**Relative density:** 1.5

**pH:** 8.5

**VOC g/l:** 33

### 9.2. Other information

**Other information:** No further information available

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

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**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** No information available

**10.5. Incompatible materials**

**Materials to avoid:** Not applicable.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**PHENOL ISOPROPYLATED PHOSPHATE (3:1) TRIPHENYL PHOSPHATE>5%**

DERMAL	RBT	LD50	10000	mg/kg
ORAL	RAT	LD50	5000	mg/kg
VAPOURS	RAT	4H LC50	200	mg/l

**Excluded hazards for substance:**

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

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**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

**Other information:** Not applicable.

**Section 12: Ecological information**

**12.1. Toxicity**

**Hazardous ingredients:**

**PHENOL ISOPROPYLATED PHOSPHATE (3:1) TRIPHENYL PHOSPHATE>5%**

Daphnia magna	48H EC50	2.44	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	1.6	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** No data available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Not applicable.

**Waste code number:** 08 04 10

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

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

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H361d: Suspected of damaging the unborn child.

H361f: Suspected of damaging fertility.

H373: May cause damage to organs ([kidneys]) through prolonged or repeated exposure ([oral]).

H410: Very toxic to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.