



## MATERIAL SAFETY DATA SHEET – ESP PANELS (EDGE SEALANT PROTECTION)

# SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 453/2010

Material: ESP Panels (Edge Sealant Protection) SDS reference: P1-040 V2  
 SDS compiled: June 2021 Supersedes: November 2020

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

### 1.1 Product identifier

Trade Names: ESP Panels  
 Protek Plywood Sealant  
 Edge Sealant Protection

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

Use of the Substance/ Aqueous pigmented wood coating/sealant  
 For Industrial and Professional use only.

Uses advised against None known

### 1.2 Details of the supplier of the safety data sheet

PROTEK PRODUCTS  
 Crowne Trading Estate  
 Charlton Road  
 Shepton Mallet  
 Somerset BA4 5QQ  
 United Kingdom  
**Telephone: 01749 344697**  
**E-mail: info@protekproducts.co.uk**

### 1.3 Emergency telephone number

01749 344697

## SECTION 2 HAZARDS IDENTIFICATION

### 2.1 Classification of substance or mixture

#### Classification (REGULATION (EC) No. 1272/2008)

The product is not classified as dangerous to Regulation (EC) No. 1272/2008

#### Classification (67/548/EEC, 1999/45/EC)

The mixture is not classified as dangerous according to Directive 1999/45/EC

### 2.2 Label elements

#### Labelling (REGULATION (EC) No. 1272/2008.

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

#### Additional Labelling:



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### **2.3 Other hazards**

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

The mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## **SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.2 Mixture**

Chemical Nature : Polymer (aqueous dispersion)

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

## **SECTION 4 FIRST AID MEASURES**

### **4.1 Description of first aid measures**

**Inhalation:** Remove patient from exposure into fresh air, and keep at rest. Obtain medical aid if symptoms occur.

**Eye contact:** Irrigate eyes with eyewash solution or clean water, holding the eyelids apart, for at least fifteen minutes (do not let run-off water contaminate unaffected eye). Obtain immediate medical aid.

**Skin contact:** Remove contaminated clothing and wash affected area thoroughly with soap and water. Report for medical attention if irritation or a rash occurs.

**Ingestion:** Do not induce vomiting. Give patient plenty of water to drink if conscious, keep warm and at rest. If unconscious (for some reason), place/transport patient in secured side recovery position. Obtain immediate medical aid.

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

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Repeated or prolonged exposure may cause irritation of eyes and skin.

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

No information available

## **SECTION 5 FIRE FIGHTING MEASURES**

### **5.1 Extinguishing media**

Product is not combustible. Use extinguishing media suitable for the combustible materials involved.

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

The pressure in sealed containers can increase under the influence of heat.

### **5.3 Advice for fire-fighters**

Use personal protective equipment. The product itself does not burn.

Prevent fire extinguishing water from contaminating surface water or the ground water system. Fires residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.



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### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment

#### **6.2 Environmental precautions**

The product should not be allowed to enter drains, water courses or the soil.

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

Prevent further leakage or spillage if safe to do so. Large spills should collect mechanically (remove by pumping) for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Pick up and transfer to properly labelled containers.

Clean contaminated floors and objects thoroughly while observing environmental regulations.

Dispose of in accordance with local regulations.

#### **6.4 Reference to other sections**

For personal protection see action 8.

### **SECTION 7 HANDLING AND STORAGE**

#### **7.1 Precautions for safe handling**

Wear personal protective equipment.

For personal protection see section 8.

Avoid inhalation, ingestion and contact with skin and eyes.

Do not use in areas without adequate ventilation.

Smoking, eating and drinking should be prohibited in the application area.

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

Store in original container.

Keep in properly labelled containers.

Store between 5 and 35 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

Do not freeze.

#### **7.3 Specific end uses**

For the sealing of wood against water and chemical impregnation.

### **SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION**

#### **8.1 Control parameters**

| Components         | CAS-No.   | Value | Control                        | Update | Basis     |
|--------------------|-----------|-------|--------------------------------|--------|-----------|
| Ammonia, anhydrous | 7664-41-7 | TWA   | 20 ppm<br>18 mg/m <sup>3</sup> | 2007   | EH40 (UK) |
|                    |           | STEL  | 35 ppm<br>25 mg/m <sup>3</sup> | 2007   | EH40 (UK) |



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### **8.2 Exposure controls**

#### **Engineering Measures**

Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapours.

Ensure adequate ventilation, especially in confined areas.

#### **Personal Protective Equipment**

Respiratory Protection Not required under normal use

Hand Protection Protective gloves complying with EN374.  
Nitrile rubber  
Break through time: 480 min  
Glove thickness: 0.1 – 0.4 mm  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye Protection Safety glasses with side-shield conforming to EN166

Skin and Body Protection Not required under normal use  
Skin should be washed after contact.  
Remove and wash contaminated clothing before re-use

Hygiene Measures Wash hands before breaks and immediately after handling the product the product.  
When using do not eat, drink or smoke

Protective Measures Ensure that eye flushing systems and safety showers are located close to the working place.

#### **Environmental Exposure Controls**

##### **General Advice**

The product should not be allowed to enter drains, water courses or the soil.

## **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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

|                            |         |                                                         |
|----------------------------|---------|---------------------------------------------------------|
| Appearance                 |         | Liquid, aqueous dispersion. (various colours available) |
| Odour                      |         | Faint indeterminate odour                               |
| pH                         |         | 5.5 – 6.5                                               |
| Melting/freezing point     | (°C)    | No data (but probably close to that of water)           |
| Initial boiling point      | (°C)    | No data (but probably close to that of water)           |
| Boiling range              | (°C)    | No data                                                 |
| Evaporation rate           |         | No data (but probably close to that of water)           |
| Relative density           | g/ml    | No data (although >1)                                   |
| Vapour density             | Air = 1 | As for water vapour                                     |
| Vapour pressure            | Pa      | No data (but probably close to that of water)           |
| Viscosity                  |         | 100 – 1,000 mPa s                                       |
| Autoignition temperature   | (°C)    | None (non-combustible)                                  |
| Decomposition temperature  | (°C)    | Not applicable (will boil first)                        |
| Flash point                | (°C)    | Not applicable (water based)                            |
| Flammability (solid, gas)  |         | Not applicable                                          |
| Flammability limits in air | %       | Not applicable (vapour released is water)               |
| Explosivity limits in air  | %       | Not applicable (vapour released is water)               |



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|                                         |      |                          |
|-----------------------------------------|------|--------------------------|
| Explosive potential                     |      | None                     |
| Oxidising potential                     |      | None                     |
| Solubility in water                     | g/ml | Completely miscible      |
| Solubility in other                     | g/ml | No data                  |
| Log water/octanol partition coefficient |      | Not applicable (mixture) |

### **9.2 Other information**

None.

## **SECTION 10 STABILITY AND REACTIVITY**

### **10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

### **10.2 Chemical stability**

Stable under recommended storage conditions.

### **10.3 Possibility of hazardous reactions**

No data

### **10.4 Conditions to avoid**

Extremes of temperatures. Do not allow the contents to freeze.

### **10.5 Incompatible materials**

None known

### **10.6 Hazardous decomposition products**

No decomposition is stored and applied as directed.

## **SECTION 11 TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

No data is available on the product itself. Information given is based on data on the components and the toxicology of similar products.

## **SECTION 12 ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

#### **Acute aquatic toxicity**

No data, but does not contain any hazardous for the aquatic environment ingredients in classifiable concentrations

#### **Terrestrial toxicity (non-mammalian)**

No data

### **12.2 Persistence and degradability**



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No data but not relevant (does not contain any hazardous for the aquatic environment ingredients in classifiable concentrations)

### **12.3 Bioaccumulation potential**

No data but not relevant (does not contain any hazardous for the aquatic environment ingredients in classifiable concentrations)

### **12.4 Mobility in soil**

Distribution among environmental compartments: No data

Physio-chemical removability – 98%, OECD Test Guideline 302, The product can be eliminated from water by abiotic processes, e.g. adsorption on activated sludge

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

Does not contain any PBT or vPvB ingredients (according to suppliers)

### **12.6 Other adverse effects**

The product has no known eco-toxicological effects

## **SECTION 13 DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

**Handling:** Material is hazardous – see Section 3, 11, 12 and 15 for hazard information, and Sections 7 and 8 for safe handling advice.

**Material:** Re-use uncontaminated material if possible, otherwise dispose of at a licensed waste disposal site capable of accepting chemical waste in compliance with local regulations. Do not allow material to contaminate ground, watercourses, sewers or drains.

**Packaging:** Contaminated packaging may be recycled by draining thoroughly, rinsing with plenty of water then checking condition; alternatively it may be disposed of at an approved landfill site in compliance with local regulations. Uncontaminated packaging should normally be reused.

**Regulations:** Some or all of the following legislation may be applicable: (UK) Environmental Protection Act 1990, Part II; Environmental Protection (Duty of Care) Regulations 1991; The Waste Management Licensing Regulations 1994 (as amended); Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended). (EU) Landfill Directive; Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94).

## **SECTION 14 TRANSPORT INFORMATION**

|                                                                                      |                             |
|--------------------------------------------------------------------------------------|-----------------------------|
| <b>14.1 UN number</b>                                                                | Not dangerous for transport |
| <b>14.2 UN proper shipping name</b>                                                  | Not dangerous for transport |
| <b>14.3 Transport hazard class(es)</b>                                               | Not dangerous for transport |
| <b>14.4 Packing group</b>                                                            | Not dangerous for transport |
| <b>14.5 Environmental hazards</b>                                                    | Not dangerous for transport |
| <b>14.6 Special precautions for user</b>                                             | Not dangerous for transport |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> |                             |



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Not dangerous for transport

### **SECTION 15 REGULATORY INFORMATION**

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

Not dangerous goods, not classified as dangerous in the meaning of transport regulations

#### **15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out on this product.

### **SECTION 16 OTHER INFORMATION**

#### **Abbreviations possibly used in this SDS:**

|          |                                                                                                                          |
|----------|--------------------------------------------------------------------------------------------------------------------------|
| CLP:     | Classification, Labelling and Packaging of Substances and Mixtures Regulation (European Regulation (EC) No 1272/2008)    |
| CMR:     | Carcinogen, mutagen, toxic for reproduction                                                                              |
| LD50:    | Lethal dose to 50% of test population                                                                                    |
| LC50:    | Lethal concentration to 50% of test population                                                                           |
| L(E)C50: | LD50 and/or LC50                                                                                                         |
| LL50:    | Lethal loading to 50% of test population                                                                                 |
| NOEC:    | No observed effect concentration                                                                                         |
| NOELR:   | No observed effect loading rate                                                                                          |
| REACH:   | Regulation (The Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (REACH) ((EC) 1907/2006) |
| UN:      | United Nations Model Regulations on the Transport of Dangerous Goods                                                     |

#### **Sources of data used/checked for this SDS:**

Supplier (safety data sheet and other information)  
CLP Regulation Annex VI  
ECHA list of registered substances  
Various internet sources

#### **Text of H-statements and P-statements referred to in this SDS:**

H302 = Toxic in contact with skin. H311 = Toxic in contact with skin. H317 = May cause an allergic skin reaction. H318 = Causes serious eye damage. H319 = Causes serious eye irritation. H331 = Toxic if inhaled. H372 = Causes damage to organs through prolonged or repeated exposure through prolonged or repeated exposure. H400 = Very toxic to aquatic life. H410 = Very toxic to aquatic life with long lasting effects.

#### **Additional information on respiratory protective equipment referred to in Section 8:**

In an emergency or where the concentration of mist is unknown but could be high use clean air supplied breathing apparatus. Do not use a filtering respirator in: atmospheres containing <19.5% oxygen; poorly ventilated areas; confined spaces; when concentration of vapour is unknown, is 'immediately dangerous to life or health' or is above any workplace exposure limit; for fire-fighting. **Respirator** types – valve filtering half mask EN405, half mask EN140, full face mask EN136, powered (hood or helmet) EN146 and EN12941 or powered (full face mask) EN147; **breathing apparatus** types – fresh air hose EN138/269, light duty compressed airline (mask) EN12419, light duty compressed airline (hoods, helmets, visors) EN1835, constant flow compressed (hood, mask) EN270/271 and EN139, demand flow compressed airline (mask) EN139 or self-contained (SCBA) EN137. The type and effectiveness of the respiratory protective equipment to be selected cannot be prescribed in a safety data sheet as they depend upon highly variable factors (e.g. concentration of vapour at the workplace/incident) and circumstances (e.g. quantity, type of work/incident, location) – consult in-house specialist, workplace procedure or in-house risk assessment.



## ***MATERIAL SAFETY DATA SHEET – ESP PANELS (EDGE SEALANT PROTECTION)***

### **Changes made in this SDS:**

Version 2 – Change of product name from Protek Plywood Sealant

This product should be stored, handled and used in accordance with good industrial hygiene practice and in conformity with any legal requirements. The information contained herein is accurate to the best of our knowledge and belief and is intended to describe our products from the point of view of health and safety requirements. It is not therefore to be construed as guaranteeing specific properties.

The information given above is believed to be accurate but is based on information supplied to Protek Products and all liability on the part of Protek Products in respect of loss (including consequential loss or loss of profit), damage, injury, or expense (including liability to third parties) arising from any error or omission in such information or from any use of this product (whether such use is in accordance with such information or otherwise) is excluded except liability for death or personal injury resulting from negligence or arising under the sales contract for this product or legislation implementing EC Council Directive 85/374/EEC