

# TECHNICAL DATA SHEET



**ENVIROGRAF®**

TD092-QVFR C-03-2023

Product Number: 92

QVFR Clear

Fire Protection Coating

**Description:**

QVFR is a two-part fire protection system for wood, wood boards MDF melamine and veneered boards, and wood related products.

**Physical Data:**

Type:	Water based fire protection product.
Colour:	Clear
Gloss:	Matt, Satin and Gloss finishes available
Viscosity:	2 - 6 poise
Specific Gravity:	1.07

**Recommended For Use:**

Recommended spreading rate:	10 m <sup>2</sup> /litre
Application methods:	Brush, roller or spray
Dry to touch:	1-2 hours varies with temperature humidity ventilation and film thickness.
Conditions during application:	Temperature of air and substrate must be above 5 °C.

**Miscellaneous:**

Size of containers:	1, 2.5 and 5 litres
Remarks:	Frost-free freight and storage. STIR WELL before use
Shelf Life:	12 months in unopened original packaging (Stored between 5-30 °C)

# COSHH DATA SHEET



**ENVIROGRAF®**

HS092-QVFR Clear-09-2019

## Product Number: 92 Q/VFR Clear C1 & C2

### **Description:**

Fire protection coating for wood, wood boards MDF melamine and veneered boards, and wood related products.

This product comprises of the following materials and therefore is supported by Health & Safety Data Sheets:

- (Appendix 42) QVFR Clear C1 & C2

\*The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.

# HEALTH & SAFETY INFORMATION SHEET

## APPENDIX 42

### QVFR Clear Coat 1 & Coat 2

11<sup>th</sup> September 2019 Issue 6

#### 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: QVFR Clear Coat 1 & Coat 2  
MANUFACTURER/SUPPLIER: Envirograf  
ADDRESS: Envirograf House, Barrestone, Dover, Kent, CT15 7JG  
TELEPHONE/FAX/EMAIL: 01304 842555 01304 842666 sales@envirograf.com  
EMERGENCY PHONE NUMBER: 01304 842555 (Monday to Friday 8.30 – 5.30)

#### 2. HAZARDS IDENTIFICATION

Health effects: Main hazard:



Signal Word

Warning

Contains 1,2-benzisothiazol-3(2H)-one and 2-methylisothiazol-3(2h)-one  
MAY PRODUCE AN ALLERGIC REACTION

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical characterization** Aqueous dispersion of a polymer with non-hazardous fire retardant and intumescent additives.

Chemical Name	CAS No.	EINECS Number	%	Classification
1,2-benzisothiazol-3(2H)-one	2634-33-5		< 0.05	H317 May cause an allergic reaction
2-methylisothiazol-3(2H)-one	2682-20-4		< 0.0015	H317 May cause an allergic reaction

#### 4. FIRST-AID MEASURES

**Skin contact:** Remove contaminated clothing and wash contaminated skin thoroughly with water. Obtain medical attention if symptoms develop.

**Eye contact:** Wash immediately with copious amounts of water. Seek medical attention if irritation persists.

**Inhalation:** Remove the casualty to fresh air. Obtain medical attention if difficulties persist.

**Ingestion:** If ingested in large amounts then seek medical attention – show the physician this data sheet.

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Select extinguishing agent appropriate for other materials involved.

**Extinguishing media which must not be used for safety reasons:** None known

**Special exposure hazards:** None known.

**Special protective equipment for Fire-Fighters:** Wear appropriate protective clothing and suitable breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear appropriate protective clothing and ensure standard good working industrial practice.

**Environmental precautions:** Try to prevent the material entering drains or watercourses. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation. Dilute as much as possible with water and notify authorities immediately.

**Spillages:** Contain and absorb using earth, sand, cloth or other inert absorbent material.

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## 7. HANDLING AND STORAGE

**Handling precautions:** Wear appropriate protective clothing. Adequate ventilation should be provided if there is risk of mist or aerosol formation.

**Storage conditions:** Store in closed containers between + 5°C and + 30°C in dry conditions. Avoid extremes of temperature. Protect from freezing. Normal ventilation is adequate

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Standards

#### Personal protection equipment:

**Respiratory protection:** Not normally required, use in case of insufficient exhaust ventilation or prolonged exposure.

**Hand protection:** Wear impermeable nitrile or rubber gloves.

**Eye protection:** Wear safety goggles.

**Skin and body protection:** Wear suitable overalls. Wash off any splashes immediately. No eating drinking or smoking in the work place. Practice good personal hygiene.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Colour:	White (dries clear)
Form:	Liquid.
Odour:	Mild.
pH as supplied:	8-9
Boiling point/range:	~ 100°C.
Freezing point/range:	~ 0°C.
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Autoignition temperature:	Not applicable.
Explosive properties:	Not applicable.
Vapour pressure:	Not applicable.
Bulk density:	1.06 to 1.12g/cm <sup>3</sup>
Solubility:	
Water solubility:	Miscible.
Partition coefficient: (n-octanol/water)	Not determined.
Other data:	

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## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Materials and Conditions to avoid:** No hazardous reactions when stored and handled to prescribed instructions.

**Hazardous decomposition products:** No decomposition if stored and applied as directed. Thermal decomposition may generate oxides of carbon and phosphorus.

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## 11. TOXICOLOGICAL INFORMATION

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Mono-propylene glycol methyl ether

Acute Toxicity: -

Reproduction toxicity: -

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## 12. ECOLOGICAL INFORMATION

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Do not allow product to enter soil, waterways or waste water.

Information on components:

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## 13. DISPOSAL CONSIDERATIONS

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**Product:** Recommended disposal of this product is in accordance with local regulations at **approved** sites. Incineration is suitable.

**Uncleaned packaging:** Contaminated packaging should be emptied as far as possible and after cleansing may be reused. Packaging that cannot be cleaned should be disposed of as product waste.

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## 14. TRANSPORT INFORMATION

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**UN Class:** This product is not classified as dangerous goods under the United Nations Transport Recommendations.

**UN Packing group** No special requirements.

**ADR** Not regulated for transport.

**RID** Not regulated for transport.

**IMDG** Not regulated for transport.

**IATA** Not regulated for transport.

**Further information:** Dispatch by post permitted.

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## 15. REGULATORY INFORMATION

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**Labelling / Supply classification:** No classification required according to directive 67/548/EEC, Directive 1999/45/EC and further amendments and adaptations.

**National regulations:** Water Hazard Class (Ger.): 2 (according to VwVwS, 17.05.199)

**Safety phrases** S2 – Keep out of the reach of children  
S23 – Do not breathe vapour/spray.

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## 16. OTHER INFORMATION

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**Recommended use** Coating with fire retardant / intumescent properties.

**Further information** Consult technical data sheet.

**H-Phrase from section 3** H317 May cause an allergic reaction

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the most recent REACH Regulations. The product should not be used for purposes other than those shown without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current EU legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

# APPLICATION DATA SHEET



**ENVIROGRAF®**

AP092-QVFR Clear-06-2019

## Product Number: 92

### For Internal Application Only

### Q/VFR Clear

#### **Description:**

The QVFR System offers a clear coating; suitable for upgrading new and already coated timber and wood related surfaces to BS476: Part 6 & 7, Class 0 & 1, UK Building Regulations and European standard EN 13501-1 sections EN 13823:2002 single burn (SBI) & EN11925:2002 ignitability tests achieving classification B/S1/d0 plus 20 minutes fire protection

These products are water-based and are for use internally only

#### **Application:**

QVFR Clear coating 2 part system:

Coat No.1 – apply 1 coat at 10m<sup>2</sup> per litre

Coat No.2 – apply 1 coat at 10m<sup>2</sup> per litre – finish can be matt, satin or gloss (state when ordering)

Should the wood to be coated have a varnished or polished surface then Envirograf Primer would need to be applied first – 1 coat at 12m<sup>2</sup> per litre

**Note:** It is important to ensure the moisture content of the wood substrate is below 12% / 14% before application and the application must be made in a warm, dry area. Ensure the wood is dry before application.

Always shake and stir the container vigorously to ensure the product is well mixed. The QVFR/C clear will look milky on application, but will dry clear.

Application onto new wood – ensure the surface is dust free. For existing painted or varnished surfaces, please ensure any flaking areas are removed. QVFR can be applied by roller, brush or spray. If the wood is to be stained use any Sickens or other water based stain, this must be applied before part 1.

If solvent based stain is to be used, this must be applied after part 2, not before.

Application for the QVFR range – 2 coats at 10m<sup>2</sup> per litre, per coat. Ensure the first coat is thoroughly dry before applying coat part 2 and the coatings **MUST** be applied in sequence.

If spraying add up to 10% water. The contents must be thoroughly mixed before use. Use a 2.5mm to 3mm nozzle.

#### **Tools:**

Leave brush in cold soapy water then clean with brush cleaner.

NB. The coverage on the first coat could vary according to the density or type of the timber. For suitable applications, contact our Technical Department. Trials in small areas must always be carried out prior to full application, as colour performance varies according to substrate structure and atmospheric conditions.

QVFR over existing paint or varnish may require ES/VFR clear primer first but QVFR can be applied to any coating and primer would not be needed on new or previously untreated wood.