

SAFETY DATA SHEET



ENVIROGRAF®

HS092 ES/VFR/C-03-2019

Product Number: 92

ES/VFR Clear Fire Protection Coating

Description:

The ES/VFRC System offers a clear coating; suitable for upgrading new and already coated timber and wood related surfaces & UPVC to BS476: Part 6 & 7, Class 0 & 1, UK Building Regulations, also EU EN SBI Test to B/S1/d0 of European Standards, EN13505, EN13823:2002 Single Burn and SBI EN11925:2 2002 Ignitability.

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

- (Appendix 62) ES/VFR/C

*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 62
ES/VFR CLEAR

31st January 2019 Issue 5

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME:	ES/VFR Clear
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 AND 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		< 0.1	H317 May cause an allergic reaction
2-methylisothiazol-3(2H)-one	2682-20-4		< 0.1	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.

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.

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

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

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 ³
Solubility:	
Water solubility:	Miscible.
Partition coefficient: (n-octanol/water)	Not determined.
Other data:	

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.

11. TOXICOLOGICAL INFORMATION

Mono-propylene glycol methyl ether

Acute Toxicity:

Reproduction toxicity:

12. ECOLOGICAL INFORMATION

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

Information on components:

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

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.

15. REGULATORY INFORMATION

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.

16. OTHER INFORMATION

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.