

SAFETY DATA SHEET



ENVIROGRAF®

HS092 ES/VFR/C-09-2018

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

12th March 2018. Issue 4

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



Hazard Symbol

May produce allergic reaction.

Health effects:

Skin

May cause slight irritation on prolonged / repeated contact.

Eyes

May cause some irritation.

Inhalation

No hazard under normal conditions of use.

Ingestion

Low toxicity.

Physical/chemical effects

Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization Aqueous (emulsion) polymer systems with non-hazardous intumescent and FR additives. Mixture.

Hazardous components:

- Contains 5-chloro-2-methyl-3(2H)-isothiazolone / 2-methyl-3(2H)-isothiazolone (3:1) as a preservative and anti-fungal agent. Concentration < 0.000371%

EUH208 May product allergic reaction.

CAS-No.: 55965-84-9

Classification (1272/2008/CE): Acute Tox. 3 Dermal H311 Acute Tox. 2 Inhalative H330 Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Eye Dam. 1 H318

- Contains Benzyl Alcohol. Concentration < 1.113%

CAS-No.: 100-51-6

Classification ((1272/2008/CE): Acute Tox. 4 H302 / H332 Eye irrit. 2 H319

- Contains 1-Methoxy-2-propanol. Concentration <3%

CAS-No.: 107-98-2

Classification Flam Liq. 3. H226 STOT SE 3 H336

Specific threshold conc. (GHS):

STOT SE 3	H336	>20%
Acute Tox. 4	H302/H332	>1%
Skin corr. 1B	H314	>0.6%
Skin Irrit. 2	H315	0.06 - <0.6%
Eye Irrit. 2	H319	0.06 - <0.6%
Skin Sens. 1	H317	>=0.0015%

M-Factor (acute aquat. Tox.): 10

M-Factor (chron. Aquat. Tox.): 1

Labelling with EUH208 for 5-chloro-2-methyl-3(2H)-isothiazolone / 2-methyl-3(2H)-isothiazolone (3:1) in accordance with Regulation (EC) No. 1272/2008, Appendix 1, 2.4.3.3.2., Note 1, above 0.00015%. EUH205 – Contains epoxy constituents. May produce allergic reaction.

Acute Tox 4 and eye irrit.2 – Warning H319, H302, H319



Warning

Candidate list for substances of Very High Concern for Authorisation.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

4. FIRST AID MEASURES

Skin contact	Remove contaminated clothing and wash contaminated skin with soap and water.
Eye contact	Wash with water for several minutes. If irritation persists seek medical advice.
Inhalation	Remove the casualty to fresh air. If irritation persists seek medical advice.
Ingestion	Rinse out mouth with water and if conscious drink plenty of water. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media	Foam, carbon dioxide, powder, and water spray.
Extinguishing media which must not be used for safety reasons	None known.
Special exposure hazards	None known.
Special protective equipment for fire-fighters	Chemical protection suit / gloves / boots and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protection equipment.
Environmental precautions	Do not dispose of into surface water or sanitary sewer system.
Methods for cleaning up	Scrape up excess and dispose of at an approved site.

7. HANDLING AND STORAGE

Handling precautions	Avoid ingestion and contact with eyes and skin where possible. Observe good working practices.
Storage conditions	Store in closed containers between + 5°C and + 30°C in dry conditions. Avoid extremes of temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters	Not applicable.
Engineering measures	Not applicable.
Personal protection equipment:	
Respiratory protection	Not applicable.
Hand protection	Gloves.
Eye protection	Goggles.
Skin and body protection	Not applicable. Overalls suggested.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour	Cloudy – dries clear.
Form	Clear, varnish like.
Odour	Low odour .
pH as supplied	5.5 – 8.5
Boiling point/range	Not determined.
Melting point/range	Not applicable.
Flash point	Not applicable.
Flammability (solid, gas)	Not applicable.
Autoignition temperature	Not applicable.
Explosive properties	Not applicable.
Oxidizing properties	Not applicable.
Vapour pressure	Not applicable.
Bulk density	1.02 to 1.21 g/cm ³
Solubility:	
Water solubility	Miscible.
Partition coefficient (n-octanol/water)	Not applicable

Other data

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Avoid extremes of temperature especially frost and freezing conditions.
Materials to avoid	None, under normal conditions of use.
Hazardous decomposition products	No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Not Applicable

12. ECOLOGICAL INFORMATION

Not Applicable

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations at approved sites.

14. TRANSPORT INFORMATION

UK road/rail	Not applicable. None hazardous.
IMDG	Not applicable. None hazardous.
ICAO	Not applicable. None hazardous.
ADR	Not applicable. None hazardous.

15. REGULATORY INFORMATION

Supply classification:**Hazard symbol(s)**

H336 H302 H332 H314 H315 H319 H317

Safety phrasesS2 – Keep out of the reach of children
S23 – Do not breathe vapour/spray.

16. OTHER INFORMATION

Recommended use

Decorative coating with fire retardant properties.

Further information

Consult technical data sheet.

R-Phrase from section 2**Component – Hazard statement**

1-Methoxy-2-propanol – low conc. No concern

H226 – Flammable (above 20%)

H336 – May cause drowsiness or dizziness.

Benzyl alcohol – low percentage about 1%

H302 – Harmful if swallowed

H319 – Causes serious eye irritation

H332 – Harmful if inhaled

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.
