

SAFETY DATA SHEET



ENVIROGRAF®

HS103-03-2019

Product Number: 103

ENVIROGRAF® COATING KITS FOR THE RESTORATION OF DOORS

Description:

Water based clear or white intumescent coating kit for upgrading raised-and-fielded doors to fire door status.

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

ES/RFC Intumescent coating kit CLEAR

Or

ES/RFC Intumescent coating kit WHITE

*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 18**

31st January 2019 Issue 5

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME:	ES/RFC 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: Wear appropriate protective clothing and suitable breathing apparatus.
For fire-fighters

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions: Try to prevent the material entering drains or watercourses. Advise Authorities 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)	Explosive properties:	Not applicable.
Form:	Liquid.	Vapour pressure:	Not applicable.
Odour:	Mild.	Bulk density:	1.06 to 1.12g/cm ³
pH as supplied:	8-9	Solubility:	
Boiling point/range:	~ 100°C.	Water solubility:	Miscible.
Freezing point/range:	~ 0°C.	Partition coefficient:	Not determined.
Flash point:	Not applicable.	(n-octanol/water)	
Flammability (solid, gas):	Not applicable.	Other data:	-
Autoignition temperature:	Not applicable.		

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.

HEALTH & SAFETY INFORMATION SHEET

APPENDIX 17

20th March 2018

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: ES/RFC White
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)
PRODUCT USE: Coatings: Waterborne paint

2. HAZARDS IDENTIFICATION

Health effects:



Hazard Symbol

May product an allergic reaction

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 system.

Hazardous components:-

Biocidal ingredients-contains:

- 2-methyl isothiazol-3(2H)-one. < 0.0006%. CAS No. 2682-20-4 H301 / H330 / H314 / H318 / H317 / H400
- Pyrithione Zinc < 0.0006% Cas No. 13463-41-7 H301 / H330 / H318 / H400 / H 410
- 1,2-benzisothiazol-3(2H)-one <0.0006% Cas No. 2634-33-5 H330 / H318 / H315 / H317
- 5-chloro-2-methy-3(2H)-isothiazolone / 2 – methyl3(2H)-isothiazolone (3:1) < 0.000026% H311 / H330 / H314 / H317 / H400 / H410 / H318

Labeling with: EUH208 Contains - 5-chloro-2-methy-3(2H)-isothiazolone / 2 – methyl3(2H)-isothiazolone (3:1) - May cause allergic reaction.

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.

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: Not applicable.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour	White	Explosive properties	Not applicable.
Form	White paint	Oxidizing properties	Not applicable.
Odour	Low odour .	Vapour pressure	Not applicable.
pH as supplied	7.2 – 8.2	Bulk density	1.28 to 1.31 g/cm ³
Boiling point/range	Not determined.	Solubility:	
Melting point/range	Not applicable.	Water solubility	Miscible.
Flash point	Not applicable.	Partition coefficient	Not applicable.
Flammability (solid, gas)	Not applicable.	(n-octanol/water)	
Auto ignition temperature	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):

May product an allergic reaction.

Trace elements carry the following H-phrases for their bulk material:

H301 H302 H311 H314 H315 H317 H318 H330 H400 H410 H411

Safety phrases:

S2 – 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.
History	
Date of printing	05 March 2019
Date of issue	March 2018
Version	5
Prepared by	Intumescent Systems Limited

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