The following Safety Datasheet is provided by Envirograf

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For purchasing information visit: Envirograf ES VFR Clear Fire Protection Coating
Product Number: 92

ES/VFR Clear

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 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.*
1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product name and/or code  ESVFR CLEAR

Supplier/Manufacturer  Intumescent Systems Ltd
Telephone:  (01304) 842555
Fax:  (01304) 842666
Barfrestone
Nr Dover
Kent
CT15 7JG  England
Website:  www.envirograf.com
Email:  sales@envirograf.com

Emergency telephone number  Contact National Poison Centre via Hospital or General Practitioner

Product use  Coatings: Waterborne paint

2. HAZARDS IDENTIFICATION

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 system.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>EC Number</th>
<th>%</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol</td>
<td>107-21-1</td>
<td>&lt; 1.0</td>
<td></td>
<td>Xn;R22</td>
</tr>
<tr>
<td>Water dispersion of Styrene Acrylic Copolymer</td>
<td></td>
<td></td>
<td></td>
<td>No hazardous components according to EU directive 1999/45/EC.</td>
</tr>
</tbody>
</table>
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 Clear.
Form Clear, varnish like.
Odour Low odour.

pH as supplied 7.2 – 8.2

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 1.28 to 1.31 g/cm³

Solubility:

Water solubility Miscible.
Partition coefficient Not applicable.

(n-octanol/water)

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) None.

Risk phrases This product is not classified according to EU legislation.

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.

**R-Phrase from section 2**
R22 – Harmful if swallowed.

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