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

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1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: ES/RFC Intumescent Coating - Clear
MANUFACTURER/SUPPLIER: Intumescent System Ltd
ADDRESS: Envirograf House, Barfrestone, Nr. Dover, Kent, CT15 7JG
TELEPHONE/FAX: 01304 842555 01304 842666
EMERGENCY PHONE NUMBER: 01304 842555

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous ingredients</th>
<th>Name of substance</th>
<th>Concentration range</th>
<th>Symbol</th>
<th>R phrase and other information</th>
<th>Exposure limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Formaldehyde</td>
<td>&lt;0.3%</td>
<td>T</td>
<td>R23/24/25-34-40-43</td>
<td></td>
</tr>
<tr>
<td>50-00-0</td>
<td>Lactic Acid</td>
<td>&lt;5%</td>
<td>Xi</td>
<td>R38-41</td>
<td></td>
</tr>
</tbody>
</table>

Other information

3. HAZARDS IDENTIFICATION

Not regarded as a health hazard under current legislation.

4. FIRST AID MEASURES

GENERAL INFORMATION
INHALATION: Remove the casualty to fresh air, consult doctor in case of symptoms
SKIN CONTACT: Remove contaminated clothing immediately and wash contaminated skin with soap and water. Rinse thoroughly.
EYE CONTACT: Rinse open eye with running water for several minutes. In case of symptoms, consult doctor.

5. FIRE FIGHTING MEASURES

RECOMMENDED EXTINGUISHING MEDIA: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
NOT TO BE USED: -
SPECIAL ADVICE: -
6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: Use breathing protection equipment against the effects of fumes/dust/aerosol.

ENVIRONMENTAL RELEASE MEASURES: Do not allow to enter drainage, surface or ground water.

CLEANING METHODS: Absorb with fluid binding material (sand, diatomite, acid binders, universal binder, sawdust. Dispose of at an approved site.

7. HANDLING AND STORAGE

INSTRUCTIONS FOR SAFE HANDLING: Prevent formation of aerosols.

STORAGE: Store in closed containers, in a well ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES:-

EXPOSURE LIMITS: Components with limit values that require monitoring at the workplace 50-00-00 Formaldehyde OEL: 2.5 mg/m³; 2ml/m³.

PERSONAL PROTECTION:

GENERAL: The usual precautionary measures should be adhered to, general rules for handling chemicals.

RESPIRATORY PROTECTION: Use breathing protection only when aerosol or mist is formed.

HAND PROTECTION: Use of gloves recommended, when handling product.

EYE PROTECTION: Tightly sealed safety goggles.

OTHER INSTRUCTIONS:

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM, COLOUR, ODOR: Liquid – Clear – Weak, characteristic
FLASH POINT: -
SPEC. GRAVITY: -
PH: 5
BOILING POINT: 100°C
EXPLOSIVE LIMITS: -
VAPOUR PRESSURE: -
AUTOIGNITION TEMPERATURE: -
SOLUBILITY IN WATER: Dispersible
EVAPORATION RATE (BuAc=1): -
DENSITY: 1.2g/cm³;
VISCOSITY: -
KINEMATIC: 1000cP
OTHER INFORMATION: -

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions
CONDITIONS TO AVOID: No dangerous reactions known
INCOMPATIBLE MATERIALS: None, under normal conditions of use
HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition if used according to specification
11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY -
IRRITATION/CORROSIVENESS -
SENSITIZATION -
KNOWLEDGE OF EFFECTS ON HUMAN BEINGS BASED ON EXPERIENCE -
EYE CONTACT Irritations of the mucous membrane are possible.
OTHER EFFECTS The product is not subject to classification according to the calculation method of the General EC classification guidelines for preparations as issued in the latest version. When used and handled according to specifications the products does not have any harmful effects according to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

STABILITY IN THE ENVIRONMENT -
BIOACCUMULATION -
MOBILITY IN THE ENVIRONMENT -
TOXICITY TO ORGANISMS -
OTHER INFORMATION Slightly hazardous to water. Do not allow product to reach ground water, water bodies or sewerage system.

13. DISPOSAL CONSIDERATIONS

PRODUCT RESIDUES Gather residues into waste containers. Destroy according to the rules given by Local Authorities.
PACKAGING WASTE Collect and destroy according to local rules.

14. TRANSPORT INFORMATION

UN-NR -
PACKAGING GROUP -
ROAD/RAIL -
ADR/RID CLASS (cross-border)
TRANSPORT DOCUMENT NAME -
SEA -
IMDG-CLASS -
PROPER SHIPPING NAME -
EMS-NR -
MFAG -
MAR.POL -

15. REGULATORY INFORMATION

LABELLING DANGER CLASSIFICATION The product is not considered a dangerous working material as defined by the regulations on hazardous substances and / or by relevant EC – Standards (67/548/EWG and 88/379/EWG), effective at the time the data sheet is published
CONTAINS -
R PHRASES -
S PHRASES -
NATIONAL REGULATIONS -
16. OTHER INFORMATION

<table>
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<tr>
<th>INTENDED USE</th>
<th>Fire retardant / resistant coating systems</th>
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<tr>
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HEALTH & SAFETY INFORMATION SHEET
PRODUCT 103 – ES/RFC INTUMESCENT COATING - WHITE

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: ES/RFC Intumescent Coating - WHITE
MANUFACTURER/SUPPLIER: Intumescent System Ltd
ADDRESS: Envirograf House, Barfrestone, Nr. Dover, Kent, CT15 7JG
TELEPHONE/FAX: 01304 842555 01304 842666
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2. COMPOSITION / INFORMATION ON INGREDIENTS

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<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>1 CAS-nr2</td>
<td>Name of substance</td>
</tr>
<tr>
<td>50-00-0</td>
<td>Formaldehyde</td>
</tr>
<tr>
<td>50-21-5</td>
<td>Lactic Acid</td>
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5 Other information

3. HAZARDS IDENTIFICATION

Not regarded as a health hazard under current legislation.

4. FIRST AID MEASURES

GENERAL INFORMATION
INHALATION Remove the casualty to fresh air, consult doctor in case of symptoms
SKIN CONTACT Remove contaminated clothing immediately and wash contaminated skin with soap and water. Rinse thoroughly.
EYE CONTACT Rinse open eye with running water for several minutes. In case of symptoms, consult doctor.

5. FIRE FIGHTING MEASURES

RECOMMENDED EXTINGUISHING MEDIA CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
NOT TO BE USED -
SPECIAL ADVICE -
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**PERSONAL PROTECTION**
Use breathing protection equipment against the effects of fumes/dust/aerosol.

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Do not allow to enter drainage, surface or ground water.

**CLEANING METHODS**
Absorb with fluid binding material (sand, diatomite, acid binders, universal binder, sawdust. Dispose of at an approved site.

**SPECIAL INSTRUCTIONS**

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**INSTRUCTIONS FOR SAFE HANDLING:**
Prevent formation of aerosols.

**STORAGE:**
Store in closed containers, in a well ventilated area.

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Components with limit values that require monitoring at the work place 50-00-00 Formaldehyde OEL: 2.5 mg/m; 2ml/m.

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The usual precautionary measures should be adhered to, general rules for handling chemicals.

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Use of gloves recommended, when handling product.

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Tightly sealed safety goggles.

**OTHER INSTRUCTIONS**

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**PHYSICAL FORM, COLOUR, ODOR**
Liquid – WHITE – Weak, characteristic

**FLASH POINT**
-

**SPEC. GRAVITY**
-

**PH**
5

**BOILING POINT**
100°C

**EXPLOSIVE LIMITS**
-

**VAPOUR PRESSURE**
-

**AUTOIGNITION TEMPERATURE**
-

**SOLUBILITY IN WATER**
Dispersible

**EVAPORATION RATE (BuAc=1)**
-

**DENSITY**
1.2g/cm;

**VISCOSITY**
-

**KINEMATIC**
1000cP

**OTHER INFORMATION**
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