

# APPLICATION DATA SHEET



**ENVIROGRAF®**

AP042-HW/AG-03-2019

## Product Number: 42 Anti-Graffiti Coating

### **Description:**

HW/AG is a clear quick-drying coating which protects against graffiti of all kinds. Used in conjunction with Envirograf® fire protection coatings offers BS476 Class 0 & 1 spread of flame.

### **Application:**

Remove all traces of graffiti and re-decorate if necessary before coating with HW/AG. If applying Envirograf® fire protection coatings then this should also be done before applying HW/AG (in the case of HW01 or HW02 a spirit based top coat should be applied before HW/AG) Stir well before use. Apply using brush, roller or spray. HW/AG is supplied ready for use and does not need thinning. Do not use solvents, thinners or white spirit.

Apply 2 coats at 8m<sup>2</sup> per litre. The second coat can be applied when the first is touch-dry.

### **Cleaning and storage:**

Remove as much product as possible from brushes before cleaning. Clean equipment immediately after use with white spirit, however some rollers and brushes may need to be disposed of. Replace lid firmly. Due to the moisture curing nature of the product do not leave in opened containers. Some local authorities have special facilities for the disposal of waste coatings. Do not empty product into drains or watercourses.

To avoid risk of spillage, always store and transport in a secure upright position.

### **Precautions:**

- Highly flammable. Keep away from sources of ignition – No Smoking
- Ensure maximum ventilation during application and drying.
- Avoid contact with skin and eyes. Wear suitable protective clothing including gloves and eye/face protection
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- After contact with skin, wash immediately with plenty of soap and water or a recognised skin cleaner. Do not use solvent or thinners.
- If swallowed seek medical advice immediately and show container or label.
- Keep out of the reach of children.
- Avoid release to the environment.

# COSHH DATA SHEET



**ENVIROGRAF®**

HS042-HW/AG-03-2019

## Product Number: 42 Anti-Graffiti Coating

### **Description:**

A clear quick-drying coating which protects against graffiti of all kinds. Used in conjunction with Envirograf® fire protection coatings offers BS476 Class 0 & 1 spread of flame.

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

- (Appendix 83) HW/AG Anti-Graffiti Coating

\*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 83

### HW/AG Anti-Graffiti Coating

March 2019. Issue 3

#### 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

**PRODUCT NAME:** HW/AG Anti-Graffiti Coating  
**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

##### 2.1 Classification of the substance or mixture:

**Classification under CLP:** Eye Irrit. 2: H319; -: EUH208

**Most important adverse effects:** Contains 3-(2-aminoethylamino)-propyltrimethoxysilane. May produce an allergic reaction. Causes serious eye irritation.

##### 2.2 Label elements:

###### Label elements:

**Hazard statements:** EUH208: Contains 3-(2-aminoethylamino)-propyltrimethoxysilane. May produce an allergic reaction.

H319: Causes serious eye irritation.

**Hazard pictograms:** GHS07: Exclamation mark



**Signal words:** Warning

##### Precautionary statements:

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical attention.

##### 2.3 Other hazards:

**PBT:** This product is not identified as a PBT/vPvB substance

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

##### 3.2 Mixtures

###### Hazardous ingredients:

Ingredient	EINECS	CAS	PBT/WEL	CLP Classification	%
METHYL-0,0',0"-BUTAN-2-ONE-TRIOXIMOSILANE	245-366-4	22984-54-9	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-10%
BUTANONE OXIME VINYLSILANE	218-747-8	2224-33-1	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Eye Irrit. 2: H319	1-10%
3-(2-AMINOETHYLAMINO)-PROPYLTRIMETHOXYSILANE	217-164-6	1760-24-3	-	Eye Dam. 1: H318; Skin Sens. 1: H317	<1%

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

**Skin contact:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Do NOT use solvents of thinners.

**Eye contact:** Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Seek medical attention.

**Inhalation:** Not Applicable

**Ingestion:** If swallowed obtain immediate medical attention. Keep warm and at rest. DO NOT INDUCE VOMITING.

#### **4.2 Most important symptoms and effects, both acute and delayed**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

**Immediate/special treatment:** Not applicable

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### **5. FIRE-FIGHTING MEASURES**

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#### **5.1 Extinguishing media:**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

#### **5.2 Special hazards arising from the substance or mixture:**

**Exposure hazards:** In combustion, emits toxic fumes.

#### **5.3 Advice for fire-fighters:**

**PROTECTIVE EQUIPMENT:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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### **6. ACCIDENTAL RELEASE MEASURES**

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#### **6.1 Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

#### **6.2 Environmental precautions**

**Environmental precautions:** Do not let product enter drains or water courses. Local authorities should be advised if significant spillages cannot be contained

#### **6.3 Methods and material for containment and cleaning up**

**Clean-up procedures:** Contain and collect spillage with a non-combustible absorbent material (i.e. sand, earth). Transfer to suitable container for disposal.

#### **6.4 Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

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### **7. HANDLING AND STORAGE**

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#### **7.1 Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

#### **7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**7.3 Specific end use(s):** No data available.

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### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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#### **8.1 Control parameters**

**Workplace exposure limits:** No data available

**DNEL/PNEC Values:** No data available

## 8.2 Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Colourless

**Odour:** Perceptible odour

**Solubility in water:** Insoluble

**Relative density:** 1.00

### 9.2 Other information

**Other information:** No data available

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## 10. STABILITY AND REACTIVITY

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### 10.1 Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2 Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4 Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5 Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6 Hazardous decomposition products

**Decomposition products:** In combustion emits toxic fumes.

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## 11. TOXICOLOGICAL INFORMATION

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### 11.1 Information on toxicological effects:

#### Toxicity values

Route	Species	Test	Value	Units
Oral	Rat	LD50	>1000	mg/kg
Vapours	Rat	4H LC50	>50	mg/l

#### Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

#### Symptoms/ routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Ecotoxicity values:

Species	Test	Value	Units
Bluegill ( <i>Lepomis macrochirus</i> )	96H LC50	48	mg/l
Daphnia magna	48H EC50	750	mg/l

### 12.2 Persistence and degradability

**Persistence and degradability:** Biodegradable

### 12.3 Bioaccumulative potential

**Bioaccumulative potential:** No Bioaccumulative potential

### 12.4 Mobility in soil

**Mobility:** Readily absorbed into soil

### 12.5 Results of PBT and vPvB assessment

**PBT identification** This product is not identified as a PBT/vPvB substance.

**12.6 Other adverse effects:** Negligible ecotoxicity

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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## 14. TRANSPORT INFORMATION

**Transport class:** This product does not require a classification for transport.

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## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Specific regulations:** Not applicable

### 15.2 Chemical safety assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or mixture by the supplier.

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## 16. OTHER INFORMATION

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H319: Causes serious eye irritation.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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



### Product Number: 42 Anti-Graffiti Coating

#### **Description:**

HW/AG is a clear quick-drying coating which protects against graffiti of all kinds. Used in conjunction with Envirograf® fire protection coatings offers BS476 Class 0 & 1 spread of flame.

#### **Features:**

One-pack, spirit based, external coating which gives effective protection against graffiti. Can be cleaned repeatedly without special chemicals. Excellent adhesion to concrete, brick, stone, render, timber, metal, cladding and most previously sealed surfaces. (Use on masonry paint should be patch tested first for adhesion). Short drying and re-coating times mean rapid protection can be achieved. Available in Gloss finish. As HW/AG is a clear coating, the surface must be decorated as required before applying the anti-graffiti coating.

#### **Coverage:**

HW/AG is supplied ready for use and does not need thinning.  
Apply 2 coats at 8m<sup>2</sup> per litre. Second coat can be applied when first is touch-dry

#### **Drying time:**

1 – 3 hours, depending on conditions. Touch dry re-coating interval between 3 and 4 hours.

#### **Ordering references:**

HW/AG + size required (available in 1 litre and 2.5 litre containers)