

SAFETY DATA SHEET



ENVIROGRAF®

HS042-HW02-08-2018

Product Number: 42

HW02/E

The HW System (Product 42) offers a Clear coating designed to upgrade new and existing timber substrates, offering up to 30 or 60 minutes fire protection meeting both UK National and European Fire Regulations.

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

- (Appendix 18) HW02/E

*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
HW02E

13th August 2018 Issue 4

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME:	HW02E
MANUFACTURER/SUPPLIER:	Envirograf
ADDRESS:	Envirograf House, Barfrestone, 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

Skin

May cause mild irritation with repeated contact for individuals with sensitive skin.

Eyes

May cause irritation.

EUH205 – Contains epoxy constituents. May produce an 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
Benzyl alcohol	100-51-6	202-859-9	< 2	H302, H332, H319
1-Methoxy-2-propanol ; monopropylene glycol methyl ether	107-98-2	203-539-1	< 4	H226, H336

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 For fire-fighters	Wear appropriate protective clothing and suitable breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear appropriate protective clothing and ensure standard good working industrial practice.
Environmental precautions	Try to prevent the material entering drains or watercourses. Advise Authorities if 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

monopropylene glycol methyl ether (CAS no. 107-98-2, EINECS no. 203-539-1)
EU Directive 2000/39/EC OEL TLV-TWA (8 hours): 375mg/m³ – 100ppm (2000)
EU Directive 2000/39/EC OEL TLV-STEL (short term): 568mg/m³ – 150ppm (2000)

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)
Form:	Liquid.
Odour:	Mild.
pH as supplied:	6 – 6.5
Boiling point/range:	~ 100°C.
Freezing point/range:	~ 0°C.
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Autoignition temperature:	Not applicable.
Explosive properties:	Not applicable.
Vapour pressure:	Not applicable.
Bulk density:	1.20 to 1.24g/cm ³ .
Solubility:	
Water solubility:	Miscible.
Partition coefficient: (n-octanol/water)	Not determined.
Other data:	

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	(CAS no. 107-98-2, EINECS no. 203-539-1)
Acute Toxicity:	LD50-oral, rat >5000 mg/kg LC50-inhalation, rat (4h) = 15.000ppm
Reproduction toxicity:	Negative.

12. ECOLOGICAL INFORMATION

	Do not allow product to enter soil, waterways or waste water.
Information on components:	
Mono-propylene glycol methyl ether	(CAS no. 107-98-2, EINECS no. 203-539-1)
	Fish: LC50, 96h; ~28.000mg/l Daphnia: EC50, 48 h; ~23.300mg/l Algae: EC50, 168 h; >1000mg/l Biodegradation in activated domestic sewage:<80% after 28days. The potential to accumulate in biota and pass through the food chain is low. (Calculated log Pow is less than 3)

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.
The following H-codes are for raw materials in the product – not for the product as a whole	
H-Phrase from section 2/3:-	H302, H332 – Acute Tox. 4 H319 – Eye irrit. H226 – Flam 3. H335 – STOT SE3

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.
