

COSHH DATA SHEET



ENVIROGRAF®

HS042-HW/AEC-09-2015

Product Number: 42 HW Acrylic White Top Coat

Description:

A white water based hardwearing coating. Designed as a high quality internal coating for general use.

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

- (Appendix 40) HW ACRYLIC WHITE TOP COAT

*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 40
HW ACRYLIC WHITE TOP COAT

DATE OF ISSUE 18.02.2015 ISSUE 3

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: HW Acrylic White Top Coat
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

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

PRODUCT DEFINITION: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Classification according to Directive 1999/45/EC [DPD]

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification: Not classified

See Section 16 for the full text of the R phrases or H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

2.2 LABEL ELEMENTS

Signal word: No signal word

Hazard statements: No known significant effects or critical hazards

Precautionary statements

General: Keep out of reach of children. If medical advice is needed have product container or label at hand

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Supplemental label elements: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable

Special packaging requirements

Containers to be fitted with child-resistant fastenings: Not applicable

Tactile warning of danger: Not applicable

2.3 Other hazards

Other hazards which do not result in classification: None known

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 MIXTURES: Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

SUB codes represent substances without registered CAS Numbers

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

EYE CONTACT: Check for and remove contact lenses. Irrigate copiously with clean, fresh water holding the eyelids apart, for at least 15 minutes. Seek immediate medical attention.

INHALATION: Remove to fresh air, keep patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water or a recognized skin cleaner. Get medical attention immediately. DO NOT USE SOLVENT OR THINNERS.

INGESTION: If accidentally swallowed obtain immediate medical attention and show the container or label. Keep person warm and at rest. DO NOT induce vomiting

PROTECTION OF FIRST-AIDERS: No action shall be taken involving any personal risk or without suitable training.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Potential acute health effects

EYE CONTACT: No known significant effects or critical hazards

INHALATION: No known significant effects or critical hazards

SKIN CONTACT: No known significant effects or critical hazards

INGESTION: No known significant effects or critical hazards

Over-exposure signs/symptoms

EYE CONTACT: No specific data

INHALATION: No specific data

SKIN CONTACT: No specific data

INGESTION: No specific data

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

NOTES TO PHYSICIAN: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled

SPECIFIC TREATMENTS: No specific treatment.

5. FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA: Use an extinguishing agent suitable for the surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: None known

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

HAZARDS FROM THE SUBSTANCE OR MIXTURE: IN a fire or if heated, a pressure increase will occur and the container may burst.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, metal oxide/oxides

5.3 ADVICE FOR FIREFIGHTERS

SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Appropriate breathing apparatus may be required.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

FOR NON-EMERGENCY PERSONNEL: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment

FOR EMERGENCY RESPONDERS: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel"

6.2 ENVIRONMENTAL PRECAUTIONS: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor

6.4 REFERENCE TO OTHER SECTIONS: See Section 1 for emergency contact information

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information

7. HANDLING AND STORAGE

The information in this section contains generic advice and guidance.

7.1 PRECAUTIONS FOR SAFE HANDLING:

Protective measures: Eating, drinking and smoking should be prohibited in areas where this material is handled stored and processed. Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty; container is not a pressure vessel. Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or watercourses. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: Storage Temperature: 5 to 25°C. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 SPECIFIC END USE(S)

RECOMMENDATIONS: Not available

INDUSTRIAL SECTOR SPECIFIC SOLUTIONS: Not available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Occupational exposure limits: No exposure limit value known

RECOMMENDED MONITORING PROCEDURES: If this product contains ingredients with exposure limits, personal, workplace, atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres – Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres – Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres – General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs: Not available

PNECs: Not available

8.2 EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

INDIVIDUAL PROTECTION MEASURES

HYGIENE MEASURES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

EYE/FACE PROTECTION: Safety glasses with side shields

SKIN PROTECTION

HAND PROTECTION: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this necessary

GLOVES: Nitrile rubber, butyl rubber, PVC, Viton®

BODY PROTECTION: Personal protective equipment for the body should be selected based on the task being performed and risks involved and should be approved by a specialist before handling the product.

OTHER SKIN PROTECTION: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and risks involved and should be approved by a specialist before handling this product. Recommended: wear rubber boots. Recommended: nitrile rubber.

RESPIRATORY PROTECTION: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

ENVIRONMENTAL EXPOSURE CONTROLS: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Colour: White (various)

Odour: Faint

pH: 8

Melting point/freezing point: Not available

Initial boiling point & boiling range: >37.78°C

Flash point: Closed cup: not applicable (Product does not sustain combustion)

Evaporation rate: Not available

Material supports combustion: No

Flammability (solid, gas): Not available

Upper / lower flammability or explosive limits: Upper: 0%

Vapour pressure: Highest known value: 3.2kPa (23.8 mm Hg) (at 20°C) (water). Weighted average: 3.11 kPa (23.33 mm Hg) (at 20°C)

Vapour density: Highest known value: 7.5 [Air =1] (isobutyric acid, monoester with 2,2, 4-trmethylpentane-1,3-diol)

Relative density: 1.24

Solubility(ies): Partially soluble in the following materials: cold water

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Kinematic (40°C): >0.21 cm²/s

Explosive properties: Not available

Oxidising properties: Not available

9.2 OTHER INFORMATION

No additional information

10. STABILITY AND REACTIVITY

10.1 REACTIVITY: No specific test data related to reactivity available for this product or its ingredients

10.2 CHEMICAL STABILITY: The product is stable

10.3 POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 CONDITIONS TO AVOID: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in section 7 and 8.

10.5 INCOMPATIBLE MATERIALS: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:

Product/ingredient name	Result	Species	Dose	Exposure
Titanium dioxide	LD50 Oral	Rat	>10 g/kg	-

Conclusion/Summary: Not available

ACUTE TOXICITY ESTIMATES: Not available

IRRITATION/CORROSION:

Conclusion/Summary: Not available

SENSITISATION

Conclusion/Summary: Not available

MUTAGENICITY:

Conclusion/Summary: Not available

CARCINOGENICITY:

Conclusion/Summary: Not available

REPRODUCTIVE TOXICITY:**Conclusion/Summary:** Not available**TERATOGENICITY:****Conclusion/Summary:** Not available**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):** Not available**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):** Not available**ASPIRATION HAZARD:** Not available**INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:** Not available**POTENTIAL ACUTE HEALTH EFFECTS****Inhalation:** No known significant effects or critical hazards**Ingestion:** No known significant effects or critical hazards**Skin contact:** No known significant effects or critical hazards**Eye contact:** No known significant effects or critical hazards**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS****Inhalation:** No specific data**Ingestion:** No specific data**Skin contact:** No specific data**Eye contact:** No specific data**DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE****Short term exposure****Potential immediate effects:** Not available**Potential delayed effects:** Not available**Long term exposure****Potential immediate effects:** Not available**Potential delayed effects:** Not available**POTENTIAL CHRONIC HEALTH EFFECTS**

Not available

Conclusion/summary: Not available**General:** No known significant effects or critical hazards**Carcinogenicity:** No known significant effects or critical hazards**Mutagenicity:** No known significant effects or critical hazards**Teratogenicity:** No known significant effects or critical hazards**Developmental effects:** No known significant effects or critical hazards**Fertility effects:** No known significant effects or critical hazards**OTHER INFORMATION:** Not available

There are not data available on the mixture itself. The mixture is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routed of exposure and eye contact.

12. ECOLOGICAL INFORMATION**12.1 TOXICITY:** There are no data available on the mixture itself. Do not allow to enter drains and watercourses

Product/ingredient name	Result	Species	Exposure
Titanium dioxide	Acute LC50 >100 mg/l fresh water	Daphnia – Daphnia magna	48hrs

Conclusion/summary: Not available**12.2 PERSISTENCE AND DEGRADABILITY****Conclusion/summary:** Not available**12.3 BIOACCUMULATIVE POTENTIAL**

Not available

12.4 MOBILITY IN SOIL**Soil/water partition coefficient (Koc):** Not available**Mobility:** Not available**12.5 RESULTS OF PBT AND VPVB ASSESSMENT****PBT:** Not applicable**vPvB:** Not applicable**12.6 OTHER ADVERSE EFFECTS:** No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance.

13.1 WASTE TREATMENT METHODS

PRODUCT

METHODS OF DISPOSAL: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the authorities with jurisdiction.

HAZARDOUS WASTE: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC

EUROPEAN WASTE CATALOGUE (EWC)

WASTE CODE	WASTE DESIGNATION
08 01 12	Waste paint and varnish other than those mentioned in 08 01 11

PACKAGING

METHODS OF DISPOSAL: the generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

TYPE OF PACKAGING	EUROPEAN WASTE CATALOGUE (EWC)
Container	15 01 02 plastic packaging
Container	15 01 04 metallic packaging

Special precautions: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of silt material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

	ADR/RID	ADN	IMDG	IATA
14.1 UN Number	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No	No	No	No
Marine pollutant substances	Not applicable	Not applicable	Not applicable	Not applicable

ADDITIONAL INFORMATION

ASR/RID: None identified

ADN: The product is only regulated as an environmentally hazardous substance when transported in tank vessels.

IMDG: None identified

IATA: None identified

14.6 Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

EU REGULATION (EC) NO. 1907/2006 (REACH)

Annex XIV – List of substances subject to authorisation

Annex XIV: None of the components are listed

Substances of very high concern: None of the components are listed

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain substances, mixtures and articles: Not applicable

OTHER EU REGULATIONS

VOC for Ready-for-use mixture: IIA/c. Exterior walls of mineral substrate. EU limit values: 40g/l (2010)
This product contains a maximum of 30 g/l VOC

15.2 CHEMICAL SAFETY ASSESSMENT: No Chemical Safety Assessment has been carried out

16. OTHER INFORMATION

Abbreviations and acronyms:

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [regulation (EC) No. 1272/2008]

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PBT = Persistent, Bio-accumulative and Toxic

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

vPvB = Very Persistent and Very Bio-accumulative

Full text of abbreviated H statements: Not applicable

Full text of classifications [CLP/GHS]: Not applicable

Full text of abbreviated R phrases: Not applicable

Full text of classifications [DSD/DPD]: Not applicable

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the CHIP Regulations. The product should not be used for purposes other than those shown in section 1 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 national 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.
