

SAFETY DATA SHEET



ENVIROGRAF®

HS042-Envirobar FoodSafe-10-2019

Product Number: 42 HW ENVIROBAR Food-Safe Top Coat

Description:

Envirobar is an acrylic coating in white matt or satin. The standard colour is white but it can be coloured to any BS colour or tint. Envirobar is strong, robust acrylic resin coating for **INTERNAL USE ONLY**. Envirobar has been formulated to fight against harmful bacteria in Hospitals and Catering Kitchens. Proven to actively inhibit MRSA and E-Coli when used over fire rated products.

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

- (Appendix 95) Envirobar Food-Safe

*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 65

ENVIROBAR FOOD-SAFE

DATE OF ISSUE 12.10.2019

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1 Product identifier

Product name : Envirobar Food-safe
Product code : Not available
Other means of identification : Not available

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Consumer applications, Professional applications, Used by spraying
Use of the substance/Mixture : Coating

1.3 Details of the supplier of the safety data sheet

Envirograf
Envirograf House, Barfrestone, Dover, Kent, CT15 7JG
Telephone/fax/email: 01304 842555 01304 842666 sales@envirograf.com
1.4 Emergency telephone number: Supplier 01304 842555 (Not 24 Hours)

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.

See Section 16 for the full text of the 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

P102, P101

Hazardous ingredients : Not applicable

Supplemental label elements: Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), octhilinone (ISO) and 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.

4. FIRST AID MEASURES

4.1 Description of first aid

Eye contact: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelid seek immediate medical advice.

Inhalation: Remove to fresh air, keep patient warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin Contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or a recognized skin cleaner. DO NOT USE SOLVENT OR THINNERS.

Ingestion: If swallowed, seek medical advice immediately 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 combustion products: Decomposition products may include the following materials: carbon oxides, metal oxide/oxides

5.3 Advice for firefighters

Special precautions for firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for firefighters: Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for firefighters (including helmets, protective boots and gloves) conforming to European standard EN469 will provide a basic level of protection for chemical incidents

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 area. 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 material for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. 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. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. 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 : See Section 1 for emergency contact information

Sections See Section 8 for information 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. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s)

7.1 Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). 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. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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 (41 to 77°F). 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. Keep container tightly closed and sealed until ready for use. 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. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s)

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

DNELs – Not available

PNECs

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. Use eye protection according to EN 166

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 is necessary.

Gloves: For prolonged or repeated handling, use the following type of gloves: Recommended: Viton®

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

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. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3

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

Appearance

| | |
|---|---|
| Physical state | : Liquid |
| Colour | : White |
| Odour | : Faint odour |
| Odour threshold | : Not available |
| pH | : 8 |
| Melting/freezing point | : May start to solidify at the following temperature: 0°C (32°F). This is based on data for the following ingredient: Water. Weighted average: -2.25°C (27.9°F) |
| Initial boiling point and 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) | : Liquid |
| Upper/lower flammability or explosive limits | : Not applicable |
| Vapour pressure | : Highest known value: 3.2 kPa (23.8mm 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-trimethylpentane-1,3-diol) |
| Relative density | : 1.18 |
| Solubility(ies) | : Partially soluble in the following materials: cold water |
| Partition coefficient: n-octanol/water | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : Stable under recommended storage and handling conditions (see Section 7) |
| Viscosity | : Kinematic (40°C): >0.21cm ² /s |
| Explosive properties | : Product does not present an explosion hazard |
| Oxidising properties | : Product does not present an oxidising hazard |

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 reaction will not occur

10.4 Conditions to avoid: When exposed to high temperature may produce hazardous decomposition products. Refer to protective measures listed in Sections 7 & 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 oxides, metal oxide / oxides

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Conclusion/Summary : There are no data available on the mixture itself

Acute toxicity estimates

| Route | ATE value |
|---------------|-----------|
| Not available | |

Irritation/Corrosion

Conclusion/Summary

Skin : There are no data available on the mixture itself

Eyes : There are no data available on the mixture itself

Respiratory : There are no data available on the mixture itself

Sensitisation

Conclusion/Summary

Skin : There are no data available on the mixture itself

Respiratory : There are no data available on the mixture itself

Mutagenicity

Conclusion/Summary : There are no data available on the mixture itself

Carcinogenicity

Conclusion/Summary : There are no data available on the mixture itself

Reproductive toxicity

Conclusion/Summary : There are no data available on the mixture itself

Teratogenicity

Conclusion/Summary : There are no data available on the mixture itself

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 no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended

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 routes of exposure and eye contact.

Contains 1,2-benzisothiazol-3(2H)-1, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Conclusion/Summary : There are no data available on the mixture itself

12.2 Persistence and degradability:

Conclusion/Summary : There are no data available on the mixture itself

12.3 Bioaccumulative potential

Not available

12.4 Mobility in soil

Soil/water partition Coefficient (K_{oc}): 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. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s)

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 protections 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 all 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 2008/98/EC.

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 |
| | 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 spilt 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 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

ADR/RID : None identified
ADN : None identified
IMDG : None identified
IATA : None identified

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.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable

15. REGULATORY INFORMATION

This Safety Data Sheet is prepared voluntarily: it is not required according to Article 31 of Regulation (EC) No 1907/2006.

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 dangerous substances, mixtures and articles: not applicable

Other EU regulations

Ozone depleting substances (1005/2009/EU) : Not listed

VOC for Read-for-Use Mixture: IIA/a. Interior walls and ceilings. EU limit values: 30g/l (2010) This product contains a maximum of 10g/l VOC

Seveso Directive

This product is not controlled under the Seveso Directive

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]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

PBT = Persistent, Bioaccumulative and Toxic

vPvB = Very Persistent and Very Bioaccumulative

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

IMDG = International Maritime Dangerous Goods

IATA = International Air Transport Association

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification | Justification |
|-----------------------|----------------------|
| Not classified | |

Full text of abbreviated H Statements – not applicable

Full text of classifications [CLP/GHS] – not applicable

History

Date of Issue/date of revision 8th October 2019

Date of previous issue -

Prepared by – Intumescent Systems Ltd

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.