

SAFETY DATA SHEET



ENVIROGRAF®

HS083-EP/FS/TCE-01-2024

Product Number: 83

EP/FS/TCE SPIRIT-BASED TOP COAT

Description:

EP/FS/TCE is an opaque top coat which forms a flexible film for use over intumescent coating. This top coat does not require an undercoat.

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

- (Appendix 74) EP/FS/TCE

*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 74

EP/FS/TCE

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1 Product identifier

Product name : EP/FS/TCE
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
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 UK CLP/GHS
 Flam. Liq. 3 : H226

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 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

Hazard pictograms :



Signal word : Warning
Hazard statements : H226 - Flammable liquid and vapour

Precautionary statements

General : P101 + P102 + P103 - Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention : P210 - Keep away from heat, hot surfaces, sparks, open flames & other ignition sources . No Smoking.
Response : Not applicable.
Storage : Not applicable.
Disposal : Dispose of contents & container in accordance with all local, regional, national & international regulations.
 P102, P101, P210, P501
Supplemental label elements: : Warning! Hazardous respirable droplets may be formed when sprayed. Do not breath spray or mist.

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

Product meets the criteria for PBT or vPvB according to Regulation (EC) no. 1907/2006 Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification : Prolonged or repeated contact may dry skin & cause irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Type
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	REACH # 01-2119463258-33 EC: 919-857-5 CAS: 64742-48-9	≥ 10 - < 20	Flam. Liq 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	[1]
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	REACH # 01-2119456620-43 EC: 926-141-6 CAS: 64742-47-8	≥ 1.0 - ≤ 5.00	Asp. Tox. 1, H304 EUH066	[1] [2]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	REACH # 01-2119457273-39 EC: 918-481-9 CAS: 64742-48-9	≥1.0 - ≤ 5.0	Asp. Tox. 1, H304 EUH066	[1]
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	REACH #: 01-2119457736-27 EC: 927-632-8 CAS: 64742-47-8	≥1.0 - ≤ 5.0	Asp. Tox. 1, H304 EUH066	[1]
			See Section 16 for the full text of the H Statements declared above.	

There are no additional 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.

This mixture contains ≥ 1% of titanium dioxide. The Annex VI classification does not apply to this mixture according to Note 10.

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS numbers.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	: Remove to fresh air. Keep person 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 solvents 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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	: Defatting to the skin. May cause skin dryness and irritation.
Ingestion	: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Ingestion	: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician have been ingested or inhaled.	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities
Specific treatments	: No specific treatment.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Hazardous combustion products : Decomposition products may include the following materials:
carbon dioxide
halogenated compounds
metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters : 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

6.4 Reference to other sections

: See Section 1 for emergency contact information.
: 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). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. 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

: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidising materials. 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 unlabelled 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

8.1 Control parameters

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).

Occupational exposure limits

Product / ingredient name	Exposure limit values
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	EU OEL (Europe). TWA: 1200 mg/m ³

Recommended monitoring procedures : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	DNEL	Long term Dermal	208 mg/kg bw/day	Workers	Systemic
	DNEL	Long term inhalation	871 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	125 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term inhalation	185 mg/m ³	Consumers	Systemic
	DNEL	Long term Oral	125 mg/kg bw/day	Consumers	Systemic

PNECs

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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

: Chemical splash goggles.

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is

recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

- Gloves** : For prolonged or repeated handling, use the following type of gloves:
Recommended: nitrile rubber
- 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. When there is a risk of ignition from static electricity wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN140. 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. Mask type: full-face mask half-face mask. Filter type: organic vapour filter (Type A) particulate filter P3. 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

Appearance

- Physical state** : Liquid
- Colour** : Various
- Odour** : Hydrocarbon [slight]
- Odour threshold** : Not available
- pH** : Insoluble in water
- Melting/freezing point** : May start to solidify at the following temperature: -15°C (5°F). This is based on data for the following ingredient: Hydrocarbons C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics. Weighted average: -60.8°C (-77.4°F)
- Initial boiling point and boiling range** : 145°C (293°F)
- Flammability (solid, gas)** : Liquid
- Upper/lower flammability or explosive limits** : Greatest known range: Lower 0.6% Upper 7% (Hydrocarbons C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics)
- Flash point** : Closed cup: 43°C

Auto-ignition temperature

Ingredient name	°C	°F	Method
Hydrocarbons C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	>221	>429.8	

- Decomposition temperature** :
- pH** : Not applicable
Not applicable. Insoluble in water.
- Viscosity** : Kinematic (room temperature): >400 mm²/s
Kinematic (40°C): >21 mm²/s

Solubility(ies) :

Media	Result
Cold water	Not soluble

- Miscible with water** : No
- Partition coefficient: n-octanol/water** : Not applicable

Vapour pressure :

Ingredient name	Vapour pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Hydrocarbons C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	2.25	0.3				

Relative density : 1.32
Vapour density : Highest known value: 4.5 (Air = 1) (Distillates (petroleum), hydrotreated light).
 Weighted average: 4.5 (Air = 1).
Explosive properties : The product itself is not explosive, but the formation of an explosive mixture of vapour or dust with air is possible.
Oxidising properties : Product does not present an oxidizing hazard.
Particle characteristics
Median particle size : Not applicable.

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 : Depending on conditions, decomposition products may include the following materials: carbon oxides, decomposition products metal oxide / oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	LD50 Dermal	Rat	>5000 mg/kg	-
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% Aromatics	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rat	>5000 mg/kg	-
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% Aromatics	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>6 g/kg	-

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

Acute toxicity estimates

N/A

Irritation/Corrosion

Conclusion/Summary : Not available.
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

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

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)

Product/ingredient name	Category	Route of exposure	Target
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Product / ingredients name	Result
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	ASPIRATION HAZARD – Category 1
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	ASPIRATION HAZARD – Category 1
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	ASPIRATION HAZARD – Category 1
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	ASPIRATION HAZARD – Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : Defatting to the skin. May cause skin dryness and irritation.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:

Irritation

dryness

cracking

Ingestion : 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 : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Other information : Not available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Product/ingredient name	Result	Species	Exposure
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics <2% aromatics	LC50 >1000 mg/l	Algae	72 hours

Conclusion/Summary : Not available.

12.2 Persistence and degradability:

Product/ingredient name	Test	Result	Dose	Inoculum
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics <2% aromatics	-	80 % - Readily – 28 days	-	-
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics <2% aromatics	OECD 301F Ready Biodegradability - Manometric Respirometry Test	69 % - Readily - 28days	-	-

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics <2% aromatics	-	-	Readily
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics <2% aromatics	-	-	Readily
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics <2% aromatics	-	-	Readily

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

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics <2% aromatics	-	10 to 2500	High
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics <2% aromatics	-	159	Low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available

Mobility : Not available

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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 : Yes.

Waste catalogue

Waste code	Waste designation
08 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances

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	Waste catalogue
Container	15 01 04 metallic packaging

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. 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	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	III	III	III	III
14.5 environmental hazards	No.	Yes.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	Not applicable.

Additional information

ADR/RID : This class 3 viscous liquid is not subject to regulation in packagings up to 450L according to 2.2.3.1.5.1.

Tunnel code : (D/E)

ADN : The product is only regulated as an environmentally hazardous substance when transported in tank vessels. This class 3 viscous liquid is not subject to regulation in packagings up to 450L according to 2.2.3.1.5.1.

IMDG : This class 3 viscous liquid is not subject to regulation in packagings up to 450L according to 2.3.2.5.

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.

14.7 Transport in bulk according to IMO instruments : Not available.

15. REGULATORY INFORMATION

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

UK (GB)/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.

Ozone depleting substances

Not listed.

VOC for Ready-for-Use Mixture : IIA/e. Interior/exterior trim varnishes and woodstains, including opaque woodstains. EU limit values: 400 g/l (2010.)
This product contains a maximum of 400 g/l VOC.

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

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category
P5c

16. OTHER INFORMATION

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
GB CLP = UK CLP (EC No. 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = GB CLP - specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
Flam. Liq. 3, H226	On basis of test data

Full text of abbreviated H statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Issued 01.2024

Full text of classifications

Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

History

Date of Issue/date of revision : January 2024
Date of previous issue : April 2018
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.