

## SAFETY DATA SHEET

**PROTECTA SERVICE COAT FR-1****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

▼ *Trade name:* PROTECTA SERVICE COAT FR-1  
*Product no.:* PRO226

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

*Relevant identified uses of the substance or mixture:* Paint  
Restricted to professional users.  
*Uses advised against:* None known.

**1.3. Details of the supplier of the safety data sheet**

*Company and address:* **Polyseam Ltd.**  
15 St Andrews Road  
HD1 6SB, UK Huddersfield  
United Kingdom  
+44 (0)1484 421 036  
<https://www.polyseam.com/>  
*E-mail:* [post.uk@polyseam.com](mailto:post.uk@polyseam.com)  
*Revision:* 07/02/2024  
*SDS Version:* 2.0  
*Date of previous version:* 29/09/2023 (1.0)

**1.4. Emergency telephone number**

Contact The National Poisons Information Service (dial 111, 24 h service).  
See section 4 "First aid measures".

**SECTION 2: HAZARDS IDENTIFICATION****2.1. ▼ Classification of the substance or mixture**

Carc. 2; H351, Suspected of causing cancer.  
Repr. 2; H361f, Suspected of damaging fertility.

**2.2. Label elements**

*Hazard pictogram(s):*



*Signal word:*

Warning

▼ *Hazard statement(s):*

Suspected of causing cancer. (H351)

<i>Precautionary statement(s):</i>	Suspected of damaging fertility. (H361f)
<i>General:</i>	-
<i>Prevention:</i>	Obtain special instructions before use. (P201) Wear protective gloves/protective clothing/eye protection/face protection. (P280)
<i>Response:</i>	IF exposed or concerned: Get medical advice/attention. (P308+P313)
<i>Storage:</i>	-
<i>Disposal:</i>	Dispose of contents/container in accordance with local regulation (P501)
<i>Hazardous substances:</i>	Melamine
<i>Additional labelling:</i>	EUH210, Safety data sheet available on request.
<i>VOC:</i>	VOC content: 12 g/L MAXIMUM VOC CONTENT (Phase II, category A/a (WB): 30 g/L)
<b>2.3. Other hazards</b>	
▼ <i>Additional warnings:</i>	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Polyphosphoric acids, ammonium salts	CAS No.: 68333-79-9 EC No.: 269-789-9 UK-REACH: Index No.:	25-40%		[19]
Melamine	CAS No.: 108-78-1 EC No.: 203-615-4 UK-REACH: Index No.:	5-10%	Carc. 2, H351 Repr. 2, H361f STOT RE 2, H373	[5]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

[5] Substance is included in the Candidate List of substances of very high concern (SVHC).  
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures***General information:*

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.  
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

*Inhalation:*

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

*Skin contact:*

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.  
If skin irritation occurs: Get medical advice/attention.

*Eye contact:*

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

*Ingestion:*

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.  
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

*Burns:*

Not applicable.

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

None known.

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

IF exposed or concerned:  
Get immediate medical advice/attention.

**Information to medics**

Bring this safety data sheet or the label from this product.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.  
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides (CO / CO<sub>2</sub>)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. ▼ Personal precautions, protective equipment and emergency procedures

Remove flammable materials if conditions allow it. Ensure sufficient ventilation.  
Avoid direct contact with spilled substances.  
Contaminated areas may be slippery.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

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.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.  
See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid direct contact with the product.  
Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.  
See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

*Recommended storage material:* Keep only in original packaging.

*Storage temperature:* 5 - 30°C  
Dry, cool and well ventilated

*Incompatible materials:* Strong acids  
Strong alkalis  
Oxidising agents

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### DNEL

No data available.

#### PNEC

No data available.

### 8.2. ▼ Exposure controls

Apply general control to prevent unnecessary exposure

*General recommendations:* Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:* There are no exposure scenarios implemented for this product.

*Exposure limits:* Occupational exposure limits have not been defined for the substances in this product.

*Appropriate technical measures:* Do not recirculate outlet air that contain the substances.  
Apply standard precautions during use of the product. Avoid inhalation of vapours.


▼ *Hygiene measures:* In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

*Measures to avoid environmental exposure:* Keep damming materials near the workplace. If possible, collect spillage during work.


### Individual protection measures, such as personal protective equipment

*Generally:* Use only UKCA marked protective equipment.


### Respiratory Equipment:

Type	Class	Colour	Standards	
Combination filter A2P3	Class 2/3	Brown/White	EN14387	
Powered fresh air hose breathing apparatus				

### Skin protection:

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.	-	-	

### Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0,38	> 240	EN374-2, EN374-3, EN388	

### Eye protection:

Type	Standards	
Wear tightly fitting safety goggles complying with EN166 standard	EN166	

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<i>Physical state:</i>	Liquid
<i>Colour:</i>	Not applicable
▼ <i>Odour / Odour threshold:</i>	Mild
<i>pH:</i>	8.0
<i>Density (g/cm<sup>3</sup>):</i>	1.41
<i>Kinematic viscosity:</i>	Testing not relevant or not possible due to the nature of the product.
<i>Particle characteristics:</i>	Not applicable

### Phase changes

<i>Melting point/Freezing point (°C):</i>	Not applicable
<i>Softening point/range (waxes and pastes) (°C):</i>	Does not apply to liquids.
<i>Boiling point (°C):</i>	100
<i>Vapour pressure:</i>	Testing not relevant or not possible due to the nature of the product.
<i>Relative vapour density:</i>	Testing not relevant or not possible due to the nature of the product.
<i>Decomposition temperature (°C):</i>	Testing not relevant or not possible due to the nature of the product.

### Data on fire and explosion hazards

<i>Flash point (°C):</i>	Not applicable
▼ <i>Flammability (°C):</i>	The material is not combustible.
<i>Auto-ignition temperature (°C):</i>	Not applicable
<i>Lower and upper explosion limit (% v/v):</i>	Not applicable

### Solubility

<i>Solubility in water:</i>	Slightly soluble
<i>n-octanol/water coefficient (LogKow):</i>	Testing not relevant or not possible due to the nature of the product.
<i>Solubility in fat (g/L):</i>	Testing not relevant or not possible due to the nature of the product.

### 9.2. Other information

▼ <i>Sensitivity to shock:</i>	No
<i>VOC (g/L):</i>	12
<i>Other physical and chemical parameters:</i>	No data available.
<i>Oxidizing properties:</i>	Not applicable

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

When exposed to high temperatures hazardous decomposition products may be produced

### 10.5. Incompatible materials

Strong acids  
Strong alkalis  
Oxidising agents

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

Based on available data, the classification criteria are not met.

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Skin sensitisation

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### ▼ Carcinogenicity

Suspected of causing cancer.

#### Reproductive toxicity

Suspected of damaging fertility.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

### 11.2. Information on other hazards

#### ▼ Long term effects

Carcinogenic effects: This product contains substances considered or proven to be carcinogenic. The carcinogenic effects may be triggered subsequent to exposure through inhalation, skin contact or ingestion.

Reproductive toxicity: This product contains reprotoxic substances, which may harm the reproductive capacity. Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.

#### Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

#### Other information

Melamine has been classified by IARC as a group 2B carcinogen.

## SECTION 12: ECOLOGICAL INFORMATION



**12.1. Toxicity**

No data available.

**12.2. ▼ Persistence and degradability**

Based on available data, the classification criteria are not met.

**12.3. ▼ Bioaccumulative potential**

Based on available data, the classification criteria are not met.

**12.4. Mobility in soil**

No data available.

**12.5. ▼ Results of PBT and vPvB assessment**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**12.6. Endocrine disrupting properties**

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

**12.7. Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. ▼ Waste treatment methods**

Product is covered by the regulations on hazardous waste. (\*)

HP 7 – Carcinogenic

HP 10 – Toxic for reproduction

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

▼ EWC code:

08 01 11\*

Waste paint and varnish containing organic solvents or other dangerous substances

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: TRANSPORT INFORMATION**

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

**Additional information**

Not dangerous goods according to ADR, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

**14.7. Maritime transport in bulk according to IMO instruments**

No data available.

**SECTION 15: REGULATORY INFORMATION**

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

▼ *Restrictions for application:*

Restricted to professional users.  
People under the age of 18 shall not be exposed to this product.  
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

*Demands for specific education:*

No specific requirements.

*SEVESO - Categories / dangerous substances:*

Not applicable.

*Additional information:*

Not applicable.

*Sources:*

The Management of Health and Safety at Work Regulations 1999.  
The Health and Safety at Work etc. Act 1974  
Regulations 2013.  
2012 No. 1715 ENVIRONMENTAL PROTECTION: The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.  
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.  
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

**15.2. Chemical safety assessment**

No

**SECTION 16: OTHER INFORMATION**

▼ **Full text of H-phrases as mentioned in section 3**

H351, Suspected of causing cancer.

H361f, Suspected of damaging fertility.

H373, May cause damage to organs through prolonged or repeated exposure.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne (European conformity)  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EuPCS = European Product Categorisation System  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### ▼ The safety data sheet is validated by

James McGiveron

### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is

marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en