

## SAFETY DATA SHEET

## Proteus Pro-Felt® Endura Anti Root Mineral

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## 1.1. Product identifier

## Trade name

Proteus Pro-Felt® Endura Anti Root Mineral

## Product no.

FBECSMAR05V1.0

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

## Relevant identified uses of the substance or mixture

Industrial purposes

## Use descriptors (UK REACH)

Sectors of use	Description
SU 19	Building and construction work

## Uses advised against

Sectors of use	Description
LCS "C"	Consumer uses: Private households (= general public = consumers)

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

## Company and address

**Proteus Waterproofing Ltd**21a Sirdar Road, Brook Road Industrial Estate  
SS6 7XF Rayleigh, Essex  
England

+44 (0) 1268 777871 Office Mon-Fri 08:30-17:00 outside of these hours call emergency numbers

[www.proteuswaterproofing.co.uk](http://www.proteuswaterproofing.co.uk)

## E-mail

[enquiries@proteuswaterproofing.co.uk](mailto:enquiries@proteuswaterproofing.co.uk)

## Revision

24/02/2023

## SDS Version

1.0

## 1.4. Emergency telephone number

In emergency call NCEC +44 (0) 1865 407 333

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

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

All following hazards refer to the partial melted hot product above 80°C during application.

The product covered by this document is not subject to issuance of Material/Safety Data Sheets (MSDS/SDS) and is therefore provided on a voluntary basis.

## 2.2. Label elements

Warning! Product is heavy! 20-40Kg per roll (felt type dependant), Use MHE or a two person lift, refer to company manual handling risk assessment procedures before attempting to move product, see HSE L23 for further guidance.

## Hazard pictogram(s)

Not applicable.

## Signal word

Not applicable.

## Hazard statement(s)

Harmful to aquatic life with long lasting effects. (H412)

## Safety statement(s)

### General

-

### Prevention

Avoid release to the environment. (P273)

### Response

-

### Storage

-

### Disposal

Dispose of contents/container in accordance with local regulation. (P501)

### Hazardous substances

Octyl (R)-2-(4-chloro-2-methylphenoxy)propionate

### Additional labelling

Danger of second degree burn during application by gas-torch of the product. Contact of molten hot product with water, may occur explosively causing boiling of water and splash of hot product.

## 2.3. Other hazards

### Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## 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
Octyl (R)-2-(4-chloro-2-methylphenoxy)propionate	CAS No.: 66423-13-0 EC No.: 266-358-7 UK-REACH: Index No.:	<1%	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	

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

### Other information

-

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

The product is an article and is unlikely to be of any chemical risk.

#### Inhalation

If dust/particles from product enters mouth, rinse with water or until product is removed, if irritation persists seek medical advice, do not induce vomiting.

Acute nose and throat irritation are possible during heat application of product due to the inhalation of potentially hazardous substances such as gas and condensed fumes, especially in poorly or unventilated environments.

#### Skin contact

In case of skin contact with molten product drench skin with plenty of water if molten product adheres to skin, do NOT pull product off skin, Seek urgent medical attention.

#### Eye contact

If dust/particles from product enters eyes, rinse with eyewash solution for 15 minutes or until product is removed, if irritation persists seek medical advice.

In case of eye contact with molten product, DO NOT pull product away from eye or use solvents, seek urgent medical attention.

#### Ingestion

Exposure is not likely due to the physical state of the product (article).

#### Burns

Molten/heated product may adhere to skin and cause burns.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

None known.

##### Information to medics

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Extinguishing media; Water Mist, Foam, Dry Powder, CO<sub>2</sub>.

#### 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.

Combustion by-products include toxic and corrosive smoke/fumes, wear suitable respiratory equipment.

#### 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.

Hazchem Code: None

### SECTION 6: Accidental release measures

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

No specific requirements.

#### 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

Not applicable due to the physical state of the product (article).

#### 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

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.

Warning! Product is heavy! 20-40Kg per roll (felt type dependant), Use MHE or a two person lift, refer to company manual handling risk assessment procedures before attempting to move product, see HSE L23 for further guidance.

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

##### Recommended storage material

Keep rolls stored in a vertical position, DO NOT stack.

##### Storage temperature

Keep away from direct sunlight, naked flames, heat, sparks & other sources of ignition.

Keep away from food for human consumption and animal feeds.

0 - 40°C

##### Incompatible materials

Oil

Organic solvents

#### 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

Asphalt

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 5

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 10

Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

## DNEL

Asphalt

Duration:	Route of exposure:	DNEL:
Long term – Local effects - Workers	Inhalation	2.88 mg/m <sup>3</sup>

## PNEC

No data available.

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### 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

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

Exposure is not likely due to the physical state of the product (article).

### 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. Always wash 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

Work situation	Type	Class	Colour	Standards	
When handling molten/hot product	Suitable respiratory protection advice for the correct personal selection can be obtained from EN529:2005				
When handling standard cold product.	Ensure adequate ventilation, use suitable respiratory protection in enclosed or poorly ventilated areas.				

### Skin protection

Work situation	Recommended	Type/Category	Standards	
When handling molten/hot product	Wear heat/flame resistant clothing and footwear.			
When handling standard cold product.	Dedicated work clothing should be worn.	-	-	

### Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
When handling molten/hot product	Wear heat retardant gloves.				
When handling standard cold product.	Wear general purpose protection gloves.				

## Eye protection

Work situation	Type	Standards
When handling molten/hot product	Face shield alternatively safety glasses with side shields.	EN166
When handling standard cold product.	No specific requirements	-



## SECTION 9: Physical and chemical properties

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

#### Physical state

Article

#### Colour

Various colours

#### Odour / Odour threshold

Characteristic

#### pH

Not applicable - product is an article

#### Density (g/cm<sup>3</sup>)

1.2

#### Kinematic viscosity

Not applicable - product is an article

#### Particle characteristics

Not applicable - product is an article

#### Phase changes

##### Melting point/Freezing point (°C)

80

##### Softening point/range (waxes and pastes) (°C)

Not applicable due to the physical state of the product (article).

##### Boiling point (°C)

Not applicable - product is an article

##### Vapour pressure

Not applicable - product is an article

##### Relative vapour density

Not applicable due to the physical state of the product (article).

##### Decomposition temperature (°C)

Not applicable - product is an article

#### Data on fire and explosion hazards

##### Flash point (°C)

250

##### Flammability (°C)

Not applicable - flash point > 200°C

##### Auto-ignition temperature (°C)

Not applicable - flash point > 200°C

##### Lower and upper explosion limit (% v/v)

Not applicable - product is an article

#### Solubility

##### Solubility in water

Insoluble

##### n-octanol/water coefficient

Not applicable - product is an article

##### Solubility in fat (g/L)

Not applicable - product is an article

### 9.2. Other information

#### Evaporation rate (n-butylacetate = 100)

Not applicable - product is an article

#### Other physical and chemical parameters

No data available.

## 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

None known.

### 10.5. Incompatible materials

Oil

Organic solvents

### 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 as retained and amended in UK law

#### 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

Dust from product may cause mechanical irritation.

#### Respiratory sensitisation

Dust from product may cause mechanical irritation.

#### Skin sensitisation

This product contains substances that may trigger an allergic reaction in already sensitized persons.

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### 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

None known.

#### Endocrine disrupting properties

Not applicable.

#### Other information

None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available.

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

No data available.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Endocrine disrupting properties

Not applicable.

### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: Disposal considerations

### Waste treatment methods

Product is not covered by regulations on dangerous waste.

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

### EWC code

17 03 02 Bituminous mixtures other than those mentioned in 17 03 01

### Specific labelling

Not applicable.

### Contaminated packing

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

## SECTION 14: Transport information

	<b>14.1 UN / ID</b>	<b>14.2 UN proper shipping name</b>	<b>14.3 Hazard class(es)</b>	<b>14.4 PG*</b>	<b>14.5 Env**</b>	<b>Other information:</b>
ADR	Item not subject to ADR/RID/IMDG /IATA Regulations.	-		-	No	See below for additional information.
IMDG	Item not subject to ADR/RID/IMDG /IATA Regulations.	-		-	No	See below for additional information.
IATA	Item not subject to ADR/RID/IMDG /IATA Regulations.	-		-	No	See below for additional information.

\* Packing group

\*\* Environmental hazards

### Additional information

Not dangerous goods according to ADR, IATA and IMDG.

Hazchem Code: None

### 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.

#### Demands for specific education

No specific requirements.

#### SEVESO - Categories / dangerous substances

Not applicable.

#### Additional information

Not applicable.

#### Sources

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

H302, Harmful if swallowed.

H317, May cause an allergic skin reaction.

H400, Very toxic to aquatic life.

H410, Very toxic to aquatic life with long lasting effects.

#### The full text of identified uses as mentioned in section 1

SU 19 = Building and construction work

#### 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

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

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

In accordance with UK-REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required by UK-REACH.

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



Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

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The safety data sheet is validated by

Steven D'Silva Quality Manager

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