

## SAFETY DATA SHEET

## Proteus Hot Melt® Compound (20 kilo)

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

## 1.1. Product identifier

## Trade name

Proteus Hot Melt® Compound (20 kilo)

## Product no.

HMCOV20V1.0

## 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

Product category	Description
PC 1	Adhesives, Sealants
PC 9a	Coatings and Paints, Fillers, Putties, Thinners

Process category	Description
PROC 10	Roller application or brushing

## Uses advised against

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

Process category	Description
PROC 7	Industrial spraying
PROC 11	Non industrial spraying
PROC 16	Using material as fuel sources, limited exposure to unburned product to be expected

## 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

03/05/2023

## 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

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

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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

### Hazard pictogram(s)

Not applicable.

### Signal word

Not applicable.

### Hazard statement(s)

Not applicable.

### Precautionary statements

#### General

-

#### Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Protect from moisture. (P232)

Keep cool. (P235)

Avoid breathing mist/vapour. (P261)

Use only outdoors or in a well-ventilated area. (P271)

Avoid release to the environment. (P273)

Wear fire resistant or flame retardant clothing. (P283)

#### Response

IF ON SKIN: Wash with plenty of copious amounts of cool running water, continue to flush until emergency services arrive.. (P302+P352)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

Get immediate medical advice/attention. (P315)

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. (P341)

#### Storage

Protect from sunlight. Store in a well-ventilated place. (P410+P403)

#### Disposal

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

### Hazardous substances

None known.

### Additional labelling

EUH208, Contains hydrogen sulphide. May produce an allergic reaction.

## 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

Does not contain any substances required to report

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

### Other information

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## 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

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

#### Skin contact

In case of skin contact with molten product drench skin with plenty of water, if molten product adheres to skin use vegetable or baby oil to remove small splashes of product and seek urgent medical attention, do not pull product or clothing off if stuck to skin.

#### Eye contact

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

#### 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

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 produce an allergic reaction through inhalation. The allergic reaction typically takes place within an hour after exposure. The reaction results in an inflammatory reaction to the lungs.

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

This product will give off fumes when heated, these fumes can induce respiratory tract irritation, nausea, headaches, dizziness & lead to loss of consciousness, in the event of feeling any symptoms remove operative to safe area with plenty of fresh air, monitor breathing, be prepared to resuscitate or call emergency services as required.

#### 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.

Product will emit poisonous/corrosive fumes when burning.

#### 5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

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.

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

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

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.  
 Do not use in confined spaces without adequate ventilation and/or respirator.  
 Keep suitable fire extinguisher to hand when heating product for use.

### 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

Do not stack more than 5 blocks high, do not double stack pallets, risk of collapse.  
 Do not allow packaging to become damp or wet, risk of pallet collapse.  
 Store unopened in original and undamaged packaging in dry conditions and temperatures between 0°C and 40°C.

#### Incompatible materials

Combustible materials  
 Flammable liquids  
 Do not store in direct sunlight.  
 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

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

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

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

#### 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



No specific requirements.

### 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 standard cold product.	No special when used as intended.			
When handling molten/hot product	Ensure adequate ventilation, use suitable respiratory protection in enclosed or poorly ventilated areas.			
In case of inadequate ventilation	Suitable respiratory protection advice for the correct personal selection can be obtained from EN529:2005			


### Skin protection

Work situation	Recommended	Type/Category	Standards	
When handling standard cold product.	Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-	
When handling molten/hot product	Wear heat/flame resistant clothing and footwear.			

### Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
When handling standard cold product.	Wear general purpose protection gloves.			
When handling molten/hot product	Wear heat retardant gloves.			
Consider the following when selecting work gloves, material, compatibility, degradation, failure time, permeability. The gloves resistance to chemicals should be checked prior to use, wear time depends on duration and type of use.	Protect hands with Cat III work gloves (see standard EN374, UKCA marked to show it conforms to applicable standards). Gloves should be changed regularly to avoid permeation problems. Recommendation is protective index 6, breakthrough time >480 minutes.			

### Eye protection

Work situation	Type	Standards	
When handling standard cold product.	No special when used as intended.	-	
When handling molten/hot product	Face shield	EN166	

## SECTION 9: Physical and chemical properties

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

**Physical state**

Highly viscous mass

**Colour**

Black

**Odour / Odour threshold**

Gasoline-like

**pH**

9

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

Testing not relevant or not possible due to the nature of the product.

**Relative density**

2 (20 °C)

**Kinematic viscosity**

Not applicable - product is a solid

**Particle characteristics**

Not applicable - product is a solid

**Phase changes****Melting point/Freezing point (°C)**

100

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

50

**Boiling point (°C)**

180

**Vapour pressure**

Not applicable - product is a solid

**Relative vapour density**

Not applicable - product is a solid

**Decomposition temperature (°C)**

Not applicable - product is a solid

**Data on fire and explosion hazards****Flash point (°C)**

Not applicable - product is a solid

**Flammability (°C)**

Not applicable - product is a solid

**Auto-ignition temperature (°C)**

Not applicable - product is a solid

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

Not applicable - product is a solid

**Solubility****Solubility in water**

Immiscible

**n-octanol/water coefficient**

Not applicable - product is a solid

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

Testing not relevant or not possible due to the nature of the product.

**9.2. Other information****Evaporation rate (n-butylacetate = 100)**

Not applicable - product is a solid

**Oxidizing properties**

Not applicable - product is a solid

**Other physical and chemical parameters**

Cold product as supplied poses no chemical risk, however, will act as fuel in a fire. When heated/molten the product will react vigorously in contact with water with risk of projection of scalding materials.

**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

Combustible materials

Flammable liquids

Do not store in direct sunlight.

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 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

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

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

Product/substance            Asphalt

Biodegradable:                No

Test method:

Result:

#### 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.

### 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

05 01 17 Bitumen  
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

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

hydrogen sulphide

##### Additional information

Not applicable.

##### Sources

Control of Major Accident Hazards (COMAH) Regulations 2015.

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

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

SU 19 = Building and construction work

PROC 10 = Roller application or brushing

PC 1 = Adhesives, Sealants

PC 9a = Coatings and Paints, Fillers, Putties, Thinners

#### 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

Not applicable.

#### 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