

# **Barrettine**

## **SAFETY DATA SHEET BLACK BITUMEN PAINT**

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

#### **1.1. Product identifier**

**Product name** BLACK BITUMEN PAINT  
**Product number** PABBGEN, PABB001, PABB005, PABB025, PABB2.5, PABB205  
**SDS number** 11172

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

**Identified uses** Provides a protective coating to metal and concrete.  
**Uses advised against** Any use other than those identified.

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

**Supplier** Barrettine  
Barrettine Works  
St Ivel Way  
Warmley  
Bristol  
BS30 8TY  
Tel: 0117 960 0060  
Fax: 0117 935 2437  
sales@barrettine.co.uk

#### **1.4. Emergency telephone number**

**Emergency telephone** +44 (0) 1270 502891

### **SECTION 2: Hazards identification**

#### **2.1. Classification of the substance or mixture**

##### **Classification**

##### **Physical hazards**

Flam. Liq. 3 - H226

##### **Health hazards**

STOT SE 3 - H336 STOT RE 1 - H372

##### **Environmental hazards**

Aquatic Chronic 2 - H411

##### **Classification (67/548/EEC or 1999/45/EC)**

N;R51/53. R66,R10.

##### **Human health**

Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

##### **Environmental**

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### **2.2. Label elements**

##### **Pictogram**

**BLACK BITUMEN PAINT**



**Signal word**

Danger

**Hazard statements**

- H226 Flammable liquid and vapour.
- H336 May cause drowsiness or dizziness.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing vapour/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local regulations.

**Contains**

hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

**Supplementary precautionary statements**

- P273 Avoid release to the environment.
- P243 Take precautionary measures against static discharge.
- P270 Do not eat, drink or smoke when using this product.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
- P391 Collect spillage.

**2.3. Other hazards**

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		30-60%
CAS number: — EC number: 919-446-0 REACH registration number: 01-2119458049-33-XXXX		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	Xn;R65. N;R51/53. R66,R67,R10.	
STOT SE 3 - H336		
STOT RE 1 - H372		
Asp. Tox. 1 - H304		
STOT SE 3 - H336		
Aquatic Chronic 2 - H411		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments**

The manufacturer of the bitumen used has declared that it does not require the risk phrase R40 (Limited evidence of a carcinogenic effect) and the classification is determined by the solvent used for cutting.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

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### General information

Move affected person to fresh air at once. Get medical attention if any discomfort continues. Keep away from heat, sparks and open flame.

### Inhalation

Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

### Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

### Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing. Launder clothing before reuse.

### Eye contact

Promptly rinse eyes with plenty of clean water while lifting the eyelids.  
Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.  
Get immediate medical attention.

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

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

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

#### Suitable extinguishing media

Extinguish with water spray, foam, carbon dioxide, dry powder, sand, dolomite or other inert material.

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

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

#### Specific hazards

Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Containers can burst violently or explode when heated, due to excessive pressure build-up.

### 5.3. Advice for firefighters

#### Protective actions during firefighting

Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out. Contaminated fire water must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

## **SECTION 6: Accidental release measures**

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

#### Personal precautions

Avoid inhalation of vapours. Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

#### Environmental precautions

Do not allow spilt material to enter drains or water courses. Cover all drains and sewers. Avoid spreading spilled material. Contain spillages with sand, earth or suitable inert absorbent material. Prevent further spillage if safe to do so. In the event of contamination of watercourses or sewers advise the Environment Agency, fire brigade and police.

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

#### Methods for cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, sand, diatomaceous earth or other inert absorbent material. Place into clearly labelled container for

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recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Usage precautions

Avoid spilling. Avoid contact with skin and eyes. Use only with adequate ventilation. Do not breathe vapour or mist. Keep away from heat, sparks or flame. Containers and equipment must be bonded to avoid static discharge. Use only electrical equipment suitable for explosive atmospheres.

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

#### Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs. Store away from oxidising materials, acids and bases or damp conditions.

#### Storage class

Flammable liquid storage.

### 7.3. Specific end use(s)

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### oxidised asphalt

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup>

##### hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Long-term exposure limit (8-hour TWA): WEL 330 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

#### Ingredient comments

WEL = Workplace Exposure Limits

##### hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

DNEL	Industry - Inhalation; Long term systemic effects: 330 mg/m <sup>3</sup>
	Industry - Dermal; Long term systemic effects: 44 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 71
	Consumer - Dermal; Long term systemic effects: 26 mg/kg/day
	Consumer - Oral; Long term systemic effects: 26 mg/kg/day

### 8.2. Exposure controls

#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles.

#### Hand protection

Wear suitable protective gloves conforming to EN 374. Seek recommendations from manufacturer or supplier. After using gloves the hands should be washed and thoroughly dried and a suitable moisturiser applied.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

#### Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use

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appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### Respiratory protection

If ventilation is insufficient suitable respiratory protection must be provided.

Seek advice and recommendations of the manufacturer or supplier of equipment

## SECTION 9: Physical and Chemical Properties

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

#### Appearance

Liquid.

#### Colour

Black.

#### Odour

Hydrocarbons.

#### Initial boiling point and range

150 - 200°C @ °C at 760 mmHg

#### Flash point

39°C Not specified.

#### Evaporation rate

0.19 (nBuAc = 1)

#### Upper/lower flammability or explosive limits

Lower flammable/explosive limit: 0.6% Upper flammable/explosive limit: 8%

#### Vapour pressure

2.40 mbar @ °C

#### Relative density

0.90 - 0.93 @ @ 20°C

#### Solubility(ies)

Immiscible with water.

#### Auto-ignition temperature

Not known.

#### Viscosity

thin mobile liquid @ 25°C

### 9.2. Other information

#### Volatility

42 - 45%

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

#### Stability

Stable under normal conditions of storage and use. See section 7.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

#### Materials to avoid

Avoid contact with the following materials: Acids. Oxidising agents.

### 10.6. Hazardous decomposition products

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Fires or excessive heat may give off toxic fumes and gases. Decomposition products may include carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Inhalation

Exposure to solvent vapours may cause irritation of the throat, respiratory system and mucous membranes and have adverse effects on the kidneys, liver and central nervous system.

Symptoms can include headache, dizziness, drowsiness, fatigue, and muscular weakness, In extreme cases resulting in loss of consciousness.

Keep patients under observation as symptoms may occur well after exposure.

##### Ingestion

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Absorption can cause narcosis, intoxication and pulmonary oedema.

##### Skin contact

Product has a defatting effect on skin. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.

##### Eye contact

May cause severe eye irritation.

##### Acute and chronic health hazards

The product irritates mucous membranes and may cause abdominal discomfort if swallowed.

##### Target organs

Eyes Respiratory system, lungs Skin

### SECTION 12: Ecological Information

##### Ecotoxicity

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### General information

Empty containers may contain residual product and flammable vapours. Keep away from sparks, heat and sources of ignition.

Labels should not be removed. Product is hazardous waste. Do not allow into drains, sewers or water courses.

Disposal must be by means of a licensed waste contractor.

##### Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263

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UN No. (ADN) 1263

**14.2. UN proper shipping name**

Proper shipping name (ADR/RID) PAINT RELATED MATERIAL

Proper shipping name (IMDG) PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT RELATED MATERIAL

Proper shipping name (ADN) PAINT RELATED MATERIAL

**14.3. Transport hazard class(es)**

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels

**14.4. Packing group**

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

ADN packing group III

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant



Yes.

**14.6. Special precautions for user**

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number (ADR/RID) 30

Tunnel restriction code (D/E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

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Control of Substances Hazardous to Health Regulations (as amended). (COSHH) Refer to Revised guidance 6th Edition 2013 <http://www.hse.gov.uk/pubns/priced/l15.pdf>  
Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

#### EU legislation

EC Regulation 1907/2006 (as amended) : 'REACH'. Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. EC Regulation 1272/2008 (as amended): CLP (Classification, labelling and packaging of substances and mixtures). ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.)

#### Guidance

The storage of flammable liquids in containers HSG51 (HSE 1998). Introduction to Local Exhaust Ventilation HS(G)37. Workplace Exposure Limits EH40/2007 (as amended). CHIP for everyone HSG228. Approved Classification and Labelling guide (Sixth edition). Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4). HSE Books, or download at: <http://www.hse.gov.uk/pubns/books/l131.htm> The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance. Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/l15.pdf>

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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**SECTION 16: Other information**

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**Revision date** 11/02/2015  
**Revision** 1  
**Supersedes date** 04/08/2011  
**SDS number** 11172

#### Risk phrases in full

R10 Flammable.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.

#### Hazard statements in full

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H336 May cause drowsiness or dizziness.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

#### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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