



**SAFETY DATA SHEET**  
POLYSHIELD TOPCOAT

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Compilation date: 22/01/2015

Revision No: 1

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

**1.1. Product identifier**

**Product name:** POLYSHIELD TOPCOAT

**Product code:** PO

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

**Use of substance / mixture:** PC9a: Coatings and paints, thinners, paint removers.

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

**Company name:** Britannia Paints Ltd

Units 7-8

King Street Trading Estate

Middlewich

Cheshire

CW10 9LF

United Kingdom

**Tel:** 01606 834015

**Fax:** 01606 837006

**Email:** [sales@britanniapaints.co.uk](mailto:sales@britanniapaints.co.uk)

**1.4. Emergency telephone number**

**Emergency tel:** 01606 834015

(office hours only)

**Section 2: Hazards identification**

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

**Classification under CHIP:** -: R10; Xi: R37; N: R51/53; -: R66; -: R67

**Classification under CLP:** STOT SE 3: H336; Aquatic Chronic 2: H411; Flam. Liq. 3: H226; STOT SE 3: H335

**Most important adverse effects:** Flammable. Irritating to respiratory system. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**2.2. Label elements**

**Label elements under CLP:**

**Hazard statements:** H226: Flammable liquid and vapour.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

**Signal words:** Warning

[cont...]

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**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark

GHS09: Environmental



**Precautionary statements:** P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing.

Rinse skin with water/shower.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTRE or doctor if you feel unwell.

P370+378: In case of fire: Use carbon oxides for extinction.

**Label elements under CHIP:**

**Hazard symbols:** Dangerous for the environment.

Irritant.



**Risk phrases:** R10: Flammable.

R37: Irritating to respiratory system.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients:**

HYDROCARBONS, C9, AROMATICS

EINECS	CAS	CHIP Classification	CLP Classification	Percent
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[cont...]

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-	918-688-5	Xi: R37; N: R51/53; Xn: R65; -: R66; -: R67; -: R10	Flam. Liq. 3: H226; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; STOT SE 3: H336; STOT SE 3: H335	10-30%
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WHITE SPIRITS - REACH registered number(s): 01-2119458049-33-XXXX

-	-	-: R10; Xn: R65; N: R51/53; -: R67; -: R66	Flam. Liq. 3: H226; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; STOT SE 3: H336	10-30%
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MESITYLENE

203-604-4	108-67-8	-: R10; Xi: R37; N: R51/53	Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	1-10%
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QUATERNARY AMMONIUM COMPOUNDS, C14-18

-	68390-98-7	Xn: R22; Xi: R38; Xi: R41; N: R50	Aquatic Acute 1: H400; Eye Dam. 1: H318; Acute Tox. 4: H302; Skin Irrit. 2: H315	<1%
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CUMENE

202-704-5	98-82-8	-: R10; Xi: R37; N: R51/53; Xn: R65	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H335; Aquatic Chronic 2: H411	<1%
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### Section 4: First aid measures

#### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water. Remove contaminated clothing and seek medical attention if irritation or symptoms persist.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Do not induce vomiting. Transfer to hospital as soon as possible.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** No data available.

**Inhalation:** There may be a feeling of tightness in the chest with shortness of breath.

**Delayed / immediate effects:** No data available.

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

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

**Extinguishing media:** Carbon dioxide.

[cont...]

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

**Exposure hazards:** Burning produces toxic fumes

## 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Wear suitable Personal Protective Equipment. Ensure adequate ventilation of working area. Eliminate all sources of ignition. Evacuate personnel to a safe area.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb with inert, absorbant material. Sweep up. Transfer to suitable, labelled waste container for disposal. Clean spillage area thoroughly with plenty of water.

### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Keep away from sources of ignition - No Smoking. Ensure there is sufficient ventilation of the area.

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

**Storage conditions:** Store in correctly labelled containers. Keep away from sources of ignition. Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** PC9a: Coatings and paints, thinners, paint removers.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

MESITYLENE

[cont...]

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## Workplace exposure limits:

State	Respirable dust	
	8 hour TWA	15 min. STEL
UK	25 ppm	-

## CUMENE

State	Respirable dust	
	8 hour TWA	15 min. STEL
UK	125 mg/m <sup>3</sup>	250 mg/m <sup>3</sup>

## DNEL/PNEC Values

DNEL / PNEC No data available.

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Wear suitable respiration equipment when necessary

**Hand protection:** Protective gloves. Nitrile gloves.

**Eye protection:** Safety glasses. Safety goggles.

**Skin protection:** Protective clothing.

**Environmental:** An environmental assessment must be made to ensure compliance with local environmental legislation.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Grey

**Odour:** Characteristic odour

**Viscosity:** Viscous

**Boiling point/range°C:** 145-181

**Flash point°C:** >38

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Direct sunlight. Heat. Hot surfaces. Sources of ignition. Flames.

[cont...]

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## 10.5. Incompatible materials

**Materials to avoid:** Oxidising agents.

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### HYDROCARBONS, C9, AROMATICS

DERMAL	-	LD50	>3160	mg/kg
ORAL	RAT	LD50	3492	mg/kg

#### MESITYLENE

IPR	GPG	LDLO	1303	mg/kg
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#### CUMENE

ORL	MUS	LD50	12750	mg/kg
ORL	RAT	LD50	1400	mg/kg

**Relevant effects for mixture:**

Effect	Route	Basis
Irritation	INH	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** No data available.

**Inhalation:** There may be a feeling of tightness in the chest with shortness of breath.

**Delayed / immediate effects:** No data available.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

[cont...]

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## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

## 12.4. Mobility in soil

**Mobility:** No data available.

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Dispose of in compliance with all local and national regulations.

**Recovery operations:** Not applicable.

**Disposal of packaging:** Dispose of in compliance with all local and national regulations.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1263

### 14.2. UN proper shipping name

**Shipping name:** PAINT

### 14.3. Transport hazard class(es)

**Transport class:** 3

### 14.4. Packing group

**Packing group:** III

### 14.5. Environmental hazards

**Environmentally hazardous:** Yes

**Marine pollutant:** Yes

### 14.6. Special precautions for user

**Tunnel code:** D/E

**Transport category:** 3

## Section 15: Regulatory information

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

**Specific regulations:** The Chemicals (Hazard Information and Packaging) Regulations applied in the UK.  
The COSHH Regulations applied in the UK.

[cont...]

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The Health and Safety at Work Act applied in the UK

## 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H226: Flammable liquid and vapour.  
H302: Harmful if swallowed.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H400: Very toxic to aquatic life.  
H411: Toxic to aquatic life with long lasting effects.  
R10: Flammable.  
R22: Harmful if swallowed.  
R37: Irritating to respiratory system.  
R38: Irritating to skin.  
R41: Risk of serious damage to eyes.  
R50: Very toxic to aquatic organisms.  
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.  
R67: Vapours may cause drowsiness and dizziness.

**Legend to abbreviations:** PNEC = predicted no effect concentration

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

[cont...]



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cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

OPT = optical

INH = inhalation

PCP = physico-chemical properties

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.