

# MATERIAL SAFETY DATA SHEET

406 0599/2099

## Block Seal



### SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

Product Name: **BLOCK SEAL**  
 Company Name: Polycote UK  
 Centre Point • Wolseley Road  
 Woburn Road Industrial Estate  
 Kempston • Beds MK42 7EF  
 Telephone Number: 01234 846400

### SECTION 2: HAZARDS IDENTIFICATION

Classification under CLP: Asp. Tox. 1: H304; STOT RE 2: H373; Acute Tox. 4: H312+H332; Carc. 2: H351; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; EUH204.

Most important adverse effects:

Flammable liquid and vapour. May be fatal if swallowed and enters airways. Harmful in contact with skin or if inhaled Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing cancer ([lungs]). May cause damage to organs ([lungs]) through prolonged or repeated exposure ([inhalation (vapour)]). Contains isocyanates. May produce an allergic reaction.

Label elements under CLP:

Hazard statements: H226: Flammable liquid and vapour.  
 H304: May be fatal if swallowed and enters airways.  
 H312+H332: Harmful in contact with skin or if inhaled.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H351: Suspected of causing cancer ([lungs]).  
 H373: May cause damage to organs ([lungs]) through prolonged or repeated exposure ([inhalation (vapour)]).  
 EUH204: Contains isocyanates. May produce an allergic reaction.

Signal words: Danger

Hazard pictograms:



GHS02: Flame  
 GHS07: Exclamation mark  
 GHS08: Health hazard

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P241: Use explosion-proof electrical/ventilating/lighting/.. equipment.  
 P260: Do not breathe vapours.  
 P280: Wear protective clothing.  
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
 P361+P364: Take off immediately all contaminated clothing and wash it before reuse.  
 PBT: This product is not identified as a PBT/vPvB substance.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients:

Einecs	CAS	PBT/WEL	CLP Class.	Percent
XYLENE - REACH registered number(s): 01-2119488216-32				
215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	50-70%
Ethylbenzene				
202-849-4	100-41-4	-	Flam. Liq. 2: H225; Acute Tox. 4: H332; STOT RE 2: H373; Asp. Tox. 1: H304	10-30%
Diphenylmethane Diisocyanate (Isomers and Homologues)				
-	9016-87-9	-	Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	1-10%

### SECTION 4: FIRST AID MEASURES

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.  
 Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.  
 Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.  
 Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.  
 Eye contact: There may be irritation and redness. The eyes may water profusely.  
 Ingestion: There may be soreness and redness of the mouth and throat. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.  
 Inhalation: Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.  
 Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

### SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.  
 Exposure Hazards: In combustion emits toxic fumes.  
 Advice for fire-fighters: Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Polycote Block Seal Cont.****SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal Precautions:	Do not attempt to take action without suitable protective clothing – see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. Mark out the contaminated area with signs and prevent access to unauthorised personnel. If outside keep bystanders upwind and away from danger point.
Environmental Precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.
Cleaning Methods:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**SECTION 7: HANDLING AND STORAGE**

Handling:	Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. Ensure there is sufficient ventilation of the area. Do not handle in a confined space.
Storage:	Store in cool, well ventilated area. Keep container tightly closed.
Packaging:	Must only be kept in original packaging.
Specific end use:	Only use as a single pack moisture cured polyurethane primer.

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Workplace exposure limits:		Respirable dust	
	8 hour TWA: 15 min. STEL:	8 hour TWA: 15 min. STEL:	
UK	0.02 mg/m <sup>3</sup> 0.07 mg/m <sup>3</sup>	–	–
<b>Hazardous ingredients:</b>			
<b>XYLENE</b>			
Workplace exposure limits:		Respirable dust	
	8 hour TWA: 15 min. STEL:	8 hour TWA: 15 min. STEL:	
UK	220 mg/m <sup>3</sup> 441 mg/m <sup>3</sup>	–	–
<b>ETHYLBENZENE</b>			
UK	441 mg/m <sup>3</sup> 552 mg/m <sup>3</sup>	–	–
<b>DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)</b>			
UK	0.02 mg/m <sup>3</sup> 0.07 mg/m <sup>3</sup>	–	–

Engineering:	Ensure there is sufficient ventilation of the area.
Respiratory:	Self-contained breathing apparatus must be available in case of emergency.
Hands:	Impermeable gloves.
Eyes:	Safety goggles. Ensure eye bath is to hand.
Skin:	Impermeable protective clothing.

**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

State:	Liquid
Colour:	Pale brown
Odour:	Characteristic odour
Evaporation rate:	Fast
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Not miscible
Viscosity:	Non-viscous
Boiling point/range°C:	137
Flash point°C:	26
Relative density:	0.96

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity:	Stable under recommended transport or storage conditions.
Chemical stability:	Stable under normal conditions.
Hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
Conditions to avoid:	Heat.
Materials to avoid:	Strong oxidising agents. Strong acids.
Haz. decomp. products:	In combustion emits toxic fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION****Hazardous ingredients:**

Xylene			
ORL	MUS	LD50	2119 mg/kg
ORL	RAT	LD50	4300 mg/kg
SCU	RAT	LD50	1700 mg/kg
Ethylbenzene			
IPR	MUS	LD50	2624 µl/kg
ORL	RAT	LD50	3500 mg/kg
Diphenylmethane diisocyanate (Isomers and Homologues)			
ORL	RAT	LD50	49 gm/kg
SKN	RBT	LD50	>9400 mg/kg

**Relevant effects for mixture:**

Effect	Route	Basis
Acute toxicity (ac. tox. 4)	INH DRM	Hazardous: calculated
Skin corrosion/Irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	INH DRM	Hazardous: calculated
Carcinogenicity	–	Hazardous: calculated
STOT-repeated exposure	–	Hazardous: calculated
Aspiration hazard	–	Hazardous: calculated

**Symptoms/routes of exposure**

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.
Inhalation:	Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.
Delayed/ immediate effects:	Immediate effects can be expected after short-term exposure.

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**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity values:**

Species	Test	Value	Units
ZEBRAFISH (Brachydanio rerio)	96H LC50	> 100	mg/l
Daphnia magna	24H EC50	> 750	mg/l

Persistence and degradability:	Biodegradable.
Bioaccumulative potential:	No bioaccumulation potential.
Mobility:	Readily absorbed into soil.
PBT identification:	This substance is not identified as a PBT/vPvB substance.
Other adverse effects:	Negligible ecotoxicity.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Disposal operations:	Transfer to a suitable container and arrange for collection by specialised disposal company.
Waste code number:	08 04 09
Disposal of packaging:	Arrange for collection by specialised disposal company. Empty packaging contaminated with residues of hazardous substances are classified with waste code number 15-01-10 (plastic and metal).
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**SECTION 14: TRANSPORT INFORMATION**

UN number:	UN1133
Shipping name:	ADHESIVES (XYLENE)
Transport class:	3
Packing group:	III
Environmentally hazardous:	No
Marine pollutant:	No
Special precautions:	No special precautions.
Tunnel code:	D/E
Transport category:	3

**SECTION 15: REGULATORY INFORMATION**

Chemical safety assessment:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.
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**SECTION 16: OTHER INFORMATION**

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.  
This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

**Phrases used in s.2 and 3:**

EUH204: Contains isocyanates. May produce an allergic reaction.  
H225: Highly flammable liquid and vapour.  
H226: Flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H312: Harmful in contact with skin.  
H312+H332: Harmful in contact with skin or if inhaled  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335: May cause respiratory irritation.  
H351: Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).  
H373: May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

The Safety Data above is applicable to the product only as used according to the purposes and methods described on the relevant Technical Data Sheet, available from Polycote UK on request.

The information above is based on our present knowledge and is believed to be correct but does not purport to be all inclusive and should only be used as a guide. No warranty is implied with respect to the specification of the product. It is intended to describe the product solely in terms of its safety requirements and relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. This data does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation, nor is it a sales specification or indication of suitability for any particular use. The user must satisfy himself as to the suitability of the product for his purpose. No legally valid contractual relationship is established by the above data, and Polycote UK shall not be held liable for any damage resulting from handling or from contact with the above product.

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