

# MATERIAL SAFETY DATA SHEET

138 05+A

## Flortex Chemical Coat – Resin



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

Product Name: **FLORTEX CHEMICAL COAT – RESIN**  
 Company Name: Polycote UK  
 Centre Point • Wolseley Road  
 Woburn Road Industrial Estate  
 Kempston • Beds MK42 7EF  
 Telephone Number: 01234 846400

### SECTION 2: HAZARDS IDENTIFICATION

No Significant Hazard.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:

EINECS	CAS No:	Classification	Percent
2-METHOXY-1-METHYLETHYL ACETATE (1-METHOXYPROPYLACETATE)			
203-603-9	108-65-6	Flam. Liq. 3: H226	
DUROCT ZINC DRYER			
		Eye Irrit. 2: H319; Repr. 2: H361; Aquatic Chronic 3: H412	
ETHYLACETATE			

### SECTION 4: FIRST AID MEASURES

Inhalation: Take off all contaminated clothing immediately.  
 Eye contact: Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.  
 Skin contact: In case of skin contact wash affected areas thoroughly with soap and plenty of water. Consult a doctor in the event of a skin reaction.  
 Ingestion: DO NOT induce the patient to vomit, medical advice is required.

### SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Carbon dioxide (CO<sub>2</sub>), Foam, extinguishing powder, in case of larger fires, water spray should be used.  
 Exposure hazards: Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapors and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.  
 Advice for firefighters: Firemen must wear self-contained breathing apparatus.  
 Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on protective equipment (see chapter 8). Remove sources of fire, ensure adequate ventilation/exhaust ventilation. Keep unauthorised persons away.  
 Environmental precautions: Do not allow to escape into waterways, waste water or soil.  
 Methods for cleaning up: Take up with absorbent for chemicals or, if necessary with dry sand and store in closed containers.

### SECTION 7: HANDLING AND STORAGE

Safe Handling: Provide sufficient air exchange and/or exhaust in work rooms. Exhaust ventilation necessary if product is sprayed.  
 In all areas where isocyanate aerosols and/or vapor concentrations are produced in elevated concentrations, exhaust ventilation must be provided in such a way that the workplace exposure limit is not exceeded. The air should be drawn from the personnel handling the product. Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of work and use skin-protecting ointment. Keep working clothes separately. Take off all contaminated clothing immediately.  
 Safe Storage: Keep container dry and tightly closed in a cool and well ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet.

### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limit Values:

2-methoxy-1-methylethyl acetate (1-Methoxypropylacetate)			
WEL 8-hr limit ppm:	50	WEL 8-hr limit mg/m <sup>3</sup> :	274
WEL 15 min limit ppm:	100	WEL 15 min limit mg/m <sup>3</sup> :	548
WEL 8-hr limit mg/m <sup>3</sup> total	–	WEL 15 min limit mg/m <sup>3</sup> total	–
inhalable dust:		inhalable dust:	
WEL 8-hr limit mg/m <sup>3</sup> total	–	WEL 15 min limit mg/m <sup>3</sup> total	–
inhalable dust:		inhalable dust:	

### SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State: Liquid  
 Colour: Clear  
 Odour: Smell of solvent

### SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available.  
 Chemical stability: No data is available on this product.  
 Hazardous reactions: No data is available on this product.  
 Conditions to avoid: No data is available on this product.  
 Materials to avoid: No data is available on this product.  
 Haz. decomp. products: No hazardous decomposition products if stored and handled as prescribed/indicated.

### SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects:  
 No data is available on this product.

**Polycote Flortex Chemical Coat – Resin Cont.**

318 05+A

**SECTION 12: ECOLOGICAL INFORMATION**

No data is available on this product.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods: Dispose in accordance with applicable international, national and local laws, ordinances and statutes.  
For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.  
After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Once the product residues adhering to the walls of the containers have been rendered harmless, the product and hazard labels must be invalidated. Containers must be recycled in compliance with national legislation and environmental regulations.

**SECTION 14: TRANSPORT INFORMATION**

UN Number:	UN1866
UN proper shipping name:	RESIN SOLUTION
Transport hazard class:	3
Packing group:	III
Environmental hazard:	No
Marine pollutant:	No
Hazard ID:	30
Tunnel category:	(D/E)
EmS Code:	F-E S-E
Packing Instruction (Cargo):	366
Maximum quantity:	220 L
Packing Instruction (Passenger):	355
Maximum quantity:	60 L

**SECTION 15: REGULATORY INFORMATION**

"COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC".

"REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC".

**SECTION 16: OTHER INFORMATION**

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

Hazard statements in s.3:

Flam. Liq. 3: H226 - Flammable liquid and vapour.  
Eye Irrit. 2: H319 - Causes serious eye irritation.  
Repr. 2: H361 - Suspected of damaging fertility or the unborn child.  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

All the foregoing information should be regarded as being applicable to the uncured mixed product as well as to the individual components.

This material may form part of a multi component pack, and is supplied in the correct proportions for that pack. Please check all of the product labels to ensure that the correct components and pack sizes are being used. Select and use appropriate pack sizes to minimise waste and operator exposure, do not split packs. Use in batch order.

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.

**Date of Issue: January 2018**

**Polycote UK**

Centre Point • Wolsley Road • Woburn Road Industrial Estate  
Kempston • Beds • MK42 7EF  
Technical Helpline: 01234 846400

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## MATERIAL SAFETY DATA SHEET

318 05+B

**Flortex Chemical Coat – Hardener**

"maintenance made easy"

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

Product Name: **FLORTEX CHEMICAL COAT – HARDENER**  
 Company Name: Polycote UK  
 Centre Point • Wolsley Road  
 Woburn Road Industrial Estate  
 Kempston • Beds MK42 7EF  
 Telephone Number: 01234 846400

**SECTION 2: HAZARDS IDENTIFICATION**

Classification under CLP:  
 Skin Irrit. 2: H315; Skin Sens. 1: H317; Acute Tox. 4: H332;  
 Main hazards: Harmful by inhalation. Irritating to respiratory system. May cause sensitisation by skin contact.

Hazard pictograms:



Signal word: Warning  
 Hazard statements: H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H332: Harmful if inhaled.

**Precautionary statements Prevention:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash thoroughly after handling.  
 P271: Use only outdoors or in a well-ventilated area.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statements Response:**

P302+352: IF ON SKIN: Wash with plenty of water.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312: Call a POISON CENTRE/doctor if you feel unwell.  
 P321: Specific treatment (see on this label).  
 P332+P313: If skin irritation occurs: Get medical advice/attention.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name:

Index No	EINECS	CAS No:	%	Classification
aliphatic polyisocyanate				
-	28182-81-2	-	70-80%	Skin Sens. 1: H317; Acute Tox. 4: H332
Xylene (Xylene, o-,m-,p-or mixed isomers)				
601-022-00-9	1330-20-7	215-535-7	1-10%	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315
Ethylbenzene				
601-023-00-4	100-41-4	202-849-4	1-10%	Flam. Liq. 2: H225; Acute Tox. 4: H332
Hexamethylene-di-isocyanate				
615-011-00-1	822-06-0	212-485-8	0-0.5%	Acute Tox. 3: H331; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317

**SECTION 4: FIRST AID MEASURES**

Inhalation: Keep patient calm, remove to fresh air, seek medical attention.  
 Eye contact: Immediately wash affected eyes for at least 15 minutes under running water with eyelids help open, consult an eye specialist.  
 Skin contact: After contact with skin, wash immediately with plenty of water and soap.  
 Ingestion: DO NOT induce the patient to vomit, medical advice is required.

**Most important symptoms and effects, both acute and delayed**  
 Seek medical attention if irritation or symptoms persist.

**SECTION 5: FIRE FIGHTING MEASURES**

Extinguishing media: Carbon dioxide (CO2). Foam.  
 Exposure hazards: Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapors and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.  
 Advice for firefighters: Special protective equipment. Wear self-contained breathing apparatus and chemical-protective clothing. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions: Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective clothing.  
 Environmental precautions: Do not allow runoff water to enter sewers or drains. Do not let product contaminate subsoil.  
 Methods for cleaning up: Remove mechanically; cover the remainder with wet, absorbant material (e.g sawdust, chemical bindr based on calcium silicate hydrate, sand). After approx. one hour transfer to waste container and do not seal. (evolution of CO2 !). Keep damp in a safe ventilated area for several days.

**SECTION 7: HANDLING AND STORAGE**

Handling: Ensure adequate ventilation of the working area.  
 Storage: Keep container dry and tightly closed in a cool and well ventilated place.

**Polycote Flortex Chemical Coat – Hardener Cont.**

318 05+B

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure limit values:**

2-methoxy-1-methylethyl acetate (1-Methoxypropylacetate)

WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m <sup>3</sup> : 274
WEL 15 min limit ppm: 100	WEL 15 min limit mg/m <sup>3</sup> : 548
WEL 8-hr limit mg/m <sup>3</sup> total inhalable dust: –	WEL 15 min limit mg/m <sup>3</sup> total inhalable dust: –
WEL 8-hr limit mg/m <sup>3</sup> total inhalable dust: –	WEL 15 min limit mg/m <sup>3</sup> total inhalable dust: –

Ethylbenzene

WEL 8-hr limit ppm: 100	WEL 8-hr limit mg/m <sup>3</sup> : 441
WEL 15 min limit ppm: 125	WEL 15 min limit mg/m <sup>3</sup> : 552

Hexamethylene-di-isocyanate

WEL 8-hr limit ppm: –	WEL 8-hr limit mg/m <sup>3</sup> : 0.02
WEL 15 min limit ppm: –	WEL 15 min limit mg/m <sup>3</sup> : –

Xylene (Xylene, o-,m-,p-or mixed isomers)

WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m <sup>3</sup> : 220
WEL 15 min limit ppm: 100	WEL 15 min limit mg/m <sup>3</sup> : 441

Exposure controls:



Engineering measures: Ensure adequate ventilation of the working area.

Eye/face protection: Wear eye/face protection.

Skin/Hand protection: Wear suitable gloves.

Skin protection (other): Wear suitable protective clothing.

**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

Appearance:	Liquid
Colour:	Yellowish
Odour:	Smell of solvent

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity:	Water.
Chemical stability:	No data is available on this product.
Hazardous reactions:	Amines. Alcohols.
Conditions to avoid:	No data is available on this product.
Materials to avoid:	No data is available on this product.
Haz. decomp. products:	No hazardous decomposition products if stored and handled as prescribed/indicated.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Information on toxicological effects:

No data is available on this product.

**SECTION 12: ECOLOGICAL INFORMATION**

No data is available on this product.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods:

Dispose in accordance with applicable international, national and local laws, ordinances and statutes.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Once the product residues adhering to the walls of the containers have been rendered harmless, the product and hazard labels must be invalidated. Containers must be recycled in compliance with national legislation and environmental regulations.

**SECTION 14: TRANSPORT INFORMATION**

UN Number:	UN1866
UN proper shipping name:	RESIN SOLUTION
Transport hazard class:	3
Packing group:	III
Environmental hazard:	No
Marine pollutant:	No
Hazard ID:	30
Tunnel category:	(D/E)
EmS Code:	F-E S-E
Packing Instruction (Cargo):	366
Maximum quantity:	220 L
Packing Instruction (Passenger):	355
Maximum quantity:	60 L

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**SECTION 16: OTHER INFORMATION**

## Hazard statements

used in s.3: Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 Acute Tox. 4: H332 - Harmful if inhaled.  
 Flam. Liq. 3: H226 - Flammable liquid and vapour.  
 Acute Tox. 4: H312 - Harmful in contact with skin.  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 Flam. Liq. 2: H225 - Highly flammable liquid and vapour.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Acute Tox. 3: H331 - Toxic if inhaled.  
 Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 STOT SE 3: H335 - May cause respiratory irritation.

All the foregoing information should be regarded as being applicable to the uncured mixed product as well as to the individual components.

This material may form part of a multi component pack, and is supplied in the correct proportions for that pack. Please check all of the product labels to ensure that the correct components and pack sizes are being used. Select and use appropriate pack sizes to minimise waste and operator exposure, do not split packs. Use in batch order.

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**Date of Issue: January 2018**

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