

MATERIAL SAFETY DATA SHEET

312 05+A

Flortex EP – Resin



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

Product Name: **FLORTEX EP – 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

Classification under CLP:
 Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411.

Most important adverse effects:

Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard pictograms:



Signal word: Warning

Hazard statements: H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H411: Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
 P264: Wash hands thoroughly after handling.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P302+352: IF ON SKIN: Wash with plenty of water.
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321: Specific treatment (see instructions on this label).
 P501: Dispose of contents/container to local and national regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:

EINECS	CAS No:	Classification	Percent
BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}			
500-033-5	25068-38-6	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	20 - 30%
BENZYL ALCOHOL			
202-859-9	100-51-6	Acute Tox. 4: H332; Acute Tox. 4: H302	1 - 10%

SECTION 4: FIRST AID MEASURES

Inhalation: Move the exposed person to fresh air.
 Eye contact: Flush Immediately eye thoroughly with clean water. Consult a physician immediately if irritation persists.
 Skin contact: Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.
 Ingestion: DO NOT induce the patient to vomit, medical advice is required.

Most important symptoms and effects, both acute and delayed

Skin contact: Irritating to skin.
 Eye contact: Irritating to eyes.
 Ingestion: DO NOT INDUCE VOMITING.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Carbon dioxide (CO2). Foam. Water spray, fog or mist.
 Exposure hazards: Fire will produce dense black smoke.
 Advice for firefighters: Wear suitable respiratory equipment when necessary. Protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment.
 Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.
 Methods for cleaning up: Absorb with inert, absorbent material.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid prolonged skin contact. After contact with skin, wash immediately with plenty of water and soap.
 Storage: Store in original container.
 Specific end use(s): Component of a Two Pack Epoxy Flooring Coating.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls:



Engineering measures: Ensure adequate ventilation of the working area.
 Eye/face protection: Safety glasses with side-shields.
 Skin protection: Wear suitable gloves.
 Skin protection (other): Wear suitable protective clothing.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State: Liquid
 Colour: Various
 Odour: Mild
 VOC (Volatile organic compounds): < 500

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available.
 Chemical stability: This product is stable if stored and handled as prescribed/indicated.
 Hazardous reactions: No data is available on this product.
 Conditions to avoid: Avoid temperatures above 300°C. Potentially violent decomposition can occur above 350°C. Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid.
 Materials to avoid: Acids. Bases. Oxidising agents.
 Haz. decomp. products: No data is available on this product.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological effects: No data is available on this product.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: No data is available on this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal operations: This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 91/869/EEC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residue materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water.

SECTION 14: TRANSPORT INFORMATION

UN Number: UN3082
 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)
 Transport hazard class: 9
 Packing group: III
 Environmental hazard: Yes
 Marine pollutant: Yes
 Hazard ID: 90
 Tunnel category: E
 EmS Code: F-A S-F
 Packing Instruction (Cargo): 964
 Maximum quantity: 450 L
 Packing Instruction (Passenger): 964
 Maximum quantity: 450 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

Hazard statements

in s.3: H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H411: Toxic to aquatic life with long lasting effects.
 H302: Harmful if swallowed.
 H332: Harmful if inhaled.

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: November 2017

Polycote UK

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

MATERIAL SAFETY DATA SHEET

312 05+B

Flortex EP – Hardener



"maintenance made easy"

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

Product Name: **FLORTEX EP – 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:

Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Acute Tox. 4: H332; Aquatic Chronic 3: H412.

Most important adverse effects:

Harmful by inhalation and if swallowed. Irritating to skin. Risk of serious damage to eyes.

Hazard pictograms:



Signal word: Danger

Hazard statements: H302: Harmful if swallowed.
 H314: Causes severe skin burns and eye damage.
 H317: May cause an allergic skin reaction.
 H332: Harmful if inhaled.
 H412: Harmful to aquatic life with long lasting effects.

Precautionary statements:

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301+312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P302+352: IF ON SKIN: Wash with plenty of water.
 P303+361+353: 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.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTRE/doctor.
 P312: Call a POISON CENTRE/doctor if you feel unwell.
 P321: Specific treatment (see on this label).
 P330: Rinse mouth.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P363: Wash contaminated clothing before reuse.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:

EC No:	CAS No:	Classification	Percent
BISPHENOL A - EPICHLOROHYDRIN-ISOPHORONEDIAMINE COPOLYER			
500-101-4	38294-64-3	Skin Corr. 1B: H314; Skin Sens. 1: H317; Eye Dam. 1: H318; Aquatic Chronic 3: H412	40 - 50%
BENZYL ALCOHOL			
202-859-9	100-51-6	Acute Tox. 4: H332; Acute Tox. 4: H302	30 - 40%

SECTION 4: FIRST AID MEASURES

Inhalation: Move the exposed person to fresh air.
 Eye contact: Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
 Skin contact: In the event of skin contact, wipe off mechanically and wash affected areas thoroughly with soap and water.
 Ingestion: Drink copious amounts of water and provide fresh air. Instantly call for doctor.
Most important symptoms and effects, both acute and delayed
 Inhalation: Seek medical attention if irritation or symptoms persist.
 Eye contact: Irritating to eyes.
 Skin contact: Irritating to skin.
 Ingestion: Immediate medical attention is required.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Carbon dioxide (CO2). Extinguishing media. Water jet.
 Exposure hazards: Formation of toxic gases is possible during heating or in case of fire.
 Advice for firefighters: Special protective equipment. Wear self-contained breathing apparatus and chemical-protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: 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: Absorb into sand.

SECTION 7: HANDLING AND STORAGE

Handling: The usual precautionary measures for handling chemicals must be observed. Ensure good ventilation/exhaustion at the workplace.
 Storage: Store in original container.
 Specific end use(s): Component of a Two Pack Epoxy Flooring Coating.

Polycote Flortex EP – Hardener Cont.

312 05+B

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls:



Engineering measures: Ensure adequate ventilation of the working area.

Eye/face protection: Safety glasses with side-shields.

Skin/hand protection: Wear suitable gloves.

Skin protection (other): Wear suitable protective clothing.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State: Liquid
 Colour: Yellowish
 Odour: Amine
 VOC: No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available.
 Chemical stability: This product is stable if stored and handled as prescribed/indicated.
 Hazardous reactions: No data is available on this product.
 Conditions to avoid: No decomposition if used according to specifications.
 Materials to avoid: Strong oxidising agents.
 Haz. decomp. products: No data is available on this product.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological effects: No data is available on this product.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity values: No data available.
 Bioaccumulative potential: No data available.
 Mobility: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal operations: This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 91/869/EEC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residue materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water.

SECTION 14: TRANSPORT INFORMATION

UN Number: UN2735
 UN proper shipping name: AMINES, LIQUID, CORROSIVE N.O.S.
 (Contains isophoronediamine and 1,3-benzenedimethanamine)
 Transport hazard class: 8
 Packing group: III
 Environmental hazard: No
 Marine pollutant: No
 Hazard ID: 80
 Tunnel category: (E)
 EmS Code: F-A S-B
 Packing Instruction (Cargo): 856
 Maximum quantity: 60 L
 Packing Instruction (Passenger): 852
 Maximum quantity: 5 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".

Polycote UK

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

POLYCOTE®
 "maintenance made easy"

SECTION 16: OTHER INFORMATION

Hazard statements

in s.3: H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
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: November 2017

Polycote UK

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