

# MATERIAL SAFETY DATA SHEET

327 09+A

## Flortex Professional XFH – Resin



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

Product Name: **FLORTEX PROFESSIONAL XFH – 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 prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash 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.

#### Precautionary statements response:

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).

P332+P313: If skin irritation occurs: Get medical advice/attention.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P391: Collect spillage.

### 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%
NONYLPHENOL			
246-672-0	25154-52-3	Repr. 2: H361fd; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	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

Eye contact: Irritating to eyes.

Skin contact: Irritating to skin.

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.

### 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

#### Exposure controls



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

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

Skin/hand protection: Wear suitable gloves.

Skin protection - Other: Wear suitable protective clothing.

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**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.  
 Incompatible materials: 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**

Ecotoxicity values: No data is available on this product.  
 Mobility: No data is available on this product.  
 PBT identification: No data is available on this product.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods: 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  
 Tunnel category: E  
 Hazard ID: 90  
 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**

"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.2 and s.3: H302: Harmful if swallowed.  
 H314: Causes severe skin burns and eye damage.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H332: Harmful if inhaled.  
 H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.  
 H410: Very toxic to aquatic life with long lasting effects.

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: March 2018

**Polycote UK**

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

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 "maintenance made easy"

# Flortex Professional XFH – Hardener



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

Product Name: **FLORTEX PROFESSIONAL XFH – HARDENER**  
 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:

Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 4: H410.

### Most important adverse effects:

Harmful in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility. Possible risk of harm to the unborn child.

### 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.  
 H410: Very toxic to aquatic life with long lasting effects.

### Precautionary statements prevention:

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.  
 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.

### Precautionary statements response:

P301+312: IF SWALLOWED: Call a POISON CENTRE/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.  
 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.  
 P391: Collect spillage.

### Precautionary statements storage:

P405: Store locked up.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### Chemical Name:

EC No.	CAS No:	Classification	Percent
N-AMINOETHYLPIPERAZINE			
205-411-0	140-31-8	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412	40 - 50%
4-NONYLPHENOL, BRANCHED			
284-325-5	84852-15-3	Repr. 2: H361fd; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	40 - 50%

## 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: 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.

## 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.

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**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

State: Liquid  
 Colour: Yellowish  
 Odour: Fishy  
 Flash point: 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**

Persistence & degradability: No data available.  
 Bioaccumulative potential: 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  
 Tunnel category: E  
 Hazard ID: 80  
 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".

**SECTION 16: OTHER INFORMATION**

Text of hazard statements

in s.2 and s.3: Acute Tox. 4: H302: Harmful if swallowed.  
 Acute Tox. 4: H312: Harmful in contact with skin.  
 Skin Corr. 1B: H314: Causes severe skin burns and eye damage.  
 Skin Sens. 1: H317: May cause an allergic skin reaction.  
 Aquatic Chronic 3: H412: Harmful to aquatic life with long lasting effects.  
 Repr. 2: H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.  
 Aquatic Chronic 1: H410: Very toxic 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.

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