

MATERIAL SAFETY DATA SHEET

326 09+A

Flortex Professional – Part A



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

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

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components:

Chemical Name

CAS No.	Classification	Conc.
Bisphenol-A-epichlorohydrin resin 25068-38-6	R36/38, R43, R51/53	0-60%
Bisphenol-F-epichlorohydrin resin 28064-14-4	R36/38, R43, R51/53	0-50%
Aliphatic Glycidylether 68081-84-5	R36/38, R43, R51/53	10-30%

SECTION 3: HAZARDS IDENTIFICATION

Main Hazard: Xi Irritant
 N Dangerous for the environment
 Eyes: May cause irritation.
 Skin: May cause irritation and possible sensitisation by skin contact.
 Ingestion: May cause irritation
 Inhalation: Remove from contaminated atmosphere and seek medical attention.
 Delayed Effects: Skin sensitisation upon prolonged or regular contact.
 Environment: Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

SECTION 4: FIRST AID MEASURES

Eyes: Rinse open eye under running water for several minutes. Seek medical attention.
 Skin: Remove contamination using proprietary resin removing cream and wash with soap and water. In case of prolonged irritation seek medical attention.
 Inhalation: Remove from contaminated atmosphere and seek medical attention.
 Ingestion: If swallowed give large quantities of water or milk. Do not induce vomiting. Seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, powder, Carbon Dioxide water spray or fog.
 Unsuitable extinguishing media: Water with a full water jet
 Special exposure hazards: Do not breathe smoke as may give off toxic fumes. Do not discharge extinguishing media into streams, rivers or lakes.
 Protective equipment for fire-fighting: Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate protective clothing (refer to section 8).
 Environmental precautions: Prevent entering all drains, sewers and watercourses.
 Clean-up procedures: Contain and absorb into inert material e.g. sand and treat as solid hazardous waste.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes (refer to section 8 for appropriate protective clothing). Wash thoroughly after handling.
 Conditions for storage: Keep in tightly sealed containers and store in a cool, dry place, avoiding exposure to heat, light, moisture and air.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure: None established
 Engineering controls: If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentrations below acceptable levels.
 Eye protection: Safety glasses or goggles.
 Skin protection: Protective overalls.
 Hand protection: Impervious gloves.
 Respiratory protection: Not normally required. In a confined space wear half mask respirator with organic vapour cartridge with built in particulate filter NPF 20 (gas only). If applied by spray Wear self contained breathing apparatus.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: Pale yellow liquid
 Odour: Slight
 Boiling Point/ Range: > +150°C
 Melting Point/ Range: Not determined
 Flash Point: > +140°C
 Flammability: Combustible
 Auto-flammability: > +200°C
 Explosive Properties: N/A
 Oxidising Properties: N/A
 Vapour Pressure: >0.1mbar at +20°C
 Relative Density: 1.16 g/cm³ at +20°C
 Water Solubility: 11.6 mg/L at +23°C
 Fat Solubility: Not determined
 Viscosity: 0.90 Pa.s at +25°C

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
 Conditions to avoid: Keep cool and dry.
 Materials to avoid: Mineral acids, bases, amines and mercaptans.
 Hazardous decomposition products: Oxides of carbon
 Hazardous polymerization: Will not occur.

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:

Eyes: Irritant

Skin: Irritant. May cause sensitisation by Skin contact.

Inhalation: May cause irritation of nose, throat and lungs.

Ingestion: May be harmful if accidentally swallowed.

SECTION 12: ECOLOGICAL INFORMATION

Mobility: Heavier than water.

Other adverse affects: Toxic to aquatic organisms. Not expected to be toxic to sewage treatment

Bioaccumulative potential: Bioaccumulation potential.

SECTION 13: DISPOSAL CONSIDERATIONS

Product disposal: Remove according to local authority recommendations. Used licensed waste disposal contractor.

Container disposal: Remove according to local authority recommendations. Used licensed waste disposal contractor. Do not reuse containers without commercial cleaning.

SECTION 14: TRANSPORT INFORMATION

ADR RID	UN3082	CLASS 9	PACKING GROUP III
	Proper Shipping Name:		Environmentally Hazardous Substance Liquids Nos Epoxy Resin
IMDG IMO	UN3082	CLASS 9	PACKING GROUP III
			Marine Pollutant
IATA IMO	UN3082	CLASS 9	PACKING GROUP III

SECTION 15: REGULATORY INFORMATION

Label Information: Contains epoxy resin.
Average Molecular weight <700
Xi Irritant,
N Dangerous for the environment.

Risk phrases: R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Safety phrases: S2 Keep out of reach of children.
S28 After contact with skin, wash immediately with plenty of soap and water.
S36/37/39 Wear suitable protective clothing, gloves and eye/ face protection.
S38 In case of insufficient ventilation wear suitable respiratory equipment.
S61 Avoid release to the environment Refer to special instructions/ Safety Data Sheets.

SECTION 16: OTHER INFORMATION

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 2006

Polycote UK

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MATERIAL SAFETY DATA SHEET

326 09+B

Flortex Professional – Part B



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

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

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components:

Chemical Name	Classification	Conc.
Cycloaliphatic Amine		
38294-64-3	R21/22,R34,R43	25-35%
Isophorone Diamine		
2855-13-2	R21/22,R34,R43	30-35%
Benzyl Alcohol		
100-51-6	R20/21/22, R34,R43	30-40%

SECTION 3: HAZARDS IDENTIFICATION

Main Hazard: Xn Harmful
 N Corrosive
 Eyes: May cause irritation or burns.
 Skin: May cause irritation or burns and possible sensitisation by skin contact.
 Ingestion: Harmful if swallowed.
 Inhalation: Vapours are harmful if inhaled.
 Delayed Effects: Skin sensitisation upon prolonged or regular contact.
 Environment: Not determined.

SECTION 4: FIRST AID MEASURES

Eyes: Rinse open eye under running water for several minutes. Seek medical attention.
 Skin: Remove contaminated clothing and wash skin with water and soap. Seek medical attention.
 Inhalation: Remove from contaminated atmosphere and seek medical attention.
 Ingestion: Seek medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, powder, carbon dioxide water spray.
 Unsuitable extinguishing media: Water with a full water jet.
 Special exposure hazards: Do not discharge extinguishing media into streams, rivers or lakes.
 Protective equipment for fire-fighting: Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate protective clothing (refer to section 8).
 Environmental precautions: Prevent entering all drains, sewers and watercourses.
 Clean-up procedures: Contain and absorb into inert material e.g. sand and treat as solid hazardous waste.
 Other information: Local authorities should be informed of significant spillages that cannot be contained.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes (refer to section 8 for appropriate protective clothing). Wash thoroughly after handling. Do not breath mist or vapours.
 Conditions for storage: Keep in tightly sealed containers and store in a cool, dry place, avoiding exposure to heat, light, moisture and air.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure: Not determined.
 Engineering controls: If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentrations below acceptable levels.
 Eye protection: Safety glasses or goggles.
 Skin protection: Protective overalls.
 Hand protection: Impervious gloves.
 Respiratory protection: If risks of inhalation wear half mask respirator with organic vapor cartridge and built in particulate filter NPF 20 (gas only).

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: Colourless liquid
 Odour: Amine
 pH: 12
 Boiling Point/ Range: 200°C
 Melting Point/ Range: Not determined
 Flash Point: > 100°C
 Flammability: Combustible
 Auto-flammability: > 250°C
 Explosive Properties: N/A
 Oxidising Properties: Low
 Vapour Pressure: <10 Pa. at 25°C
 Relative Density: 1.04 g/cm³ at 25°C
 Water Solubility: Miscible at 20°C
 Fat Solubility: Not determined
 Viscosity: 0.5-0.7 Pa.s at 25°C

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions. Hydroscopic.
Conditions to Avoid:	Water vapour.
Materials to Avoid:	Strong oxidising agents. Strong acids.
Hazardous decomposition products:	Are not expected during normal storage.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	Isophorone Diamine: Oral: LD50: 2300mg/kg (rat) Inhalation: LC50:>10.00mg/L/1hr (rat) (No Deaths) (Estimate) Dermal: LC50: >50: 2000.00mg/kg (rbt) (No Deaths) Estimate) Skin irritation: Corrosive to the skin (rbt) Eye irritation: Corrosive
Eyes:	Severe irritant
Skin:	Corrosive. Expected to cause sensitisation by skin contact.
Inhalation:	May cause irritation of nose, throat and lungs.
Ingestion:	May be harmful if accidentally swallowed.

SECTION 12: ECOLOGICAL INFORMATION

Mobility:	Sinks in water. The solvent is lost within a day by evaporation. If product enters soil one or more constituents will be mobile and may contaminate ground water.
Degradability:	Readily biodegradeable. Certain components are persistent.
Bioaccumulative potential:	Contains components with the potential to bioaccumulate
Ecotoxicity:	Slight toxicity to higher marine organisms.
Acute toxicity Algae:	Very toxic to algae.

SECTION 13: DISPOSAL CONSIDERATIONS

Product disposal:	Remove according to local authority recommendations. Use licensed waste disposal contractor.
Container disposal:	Remove according to local authority recommendations. Use licensed waste disposal contractor. Do not reuse containers without commercial cleaning.

SECTION 14: TRANSPORT INFORMATION

Land transport information:	UN No. 2735, Class 8 Pack III, RID/ADR Class 8. Proper shipping name: Amines, liquid, corrosive, NOS (Cycloaliphatic Amine).
Maritime transport information:	UN No. 2735, Class 8, Pack III, IMDG Class 8, EMS 8-05, MFAG 320. marine pollutant: No. Proper Shipping name: Amines liquid, corrosive NOS (Cycloaliphatic amine).
Air transport information:	UN NO. 2735, Pack III, IATA Class 8. Proper Shipping Name: Amines, liquid, corrosive NOS (Cycloaliphatic amine).

SECTION 15: REGULATORY INFORMATION

Label Information:	Contains Benzyl Alcohol Cycloaliphatic Amine and Isophorone Diamine.
Classification:	C Corrosive
Risk phrases:	R20,21/22 Harmful by inhalation, in contact with skin and if swallowed. R36/37/39 Irritating to eyes, respiratory system and skin. R34 Causes burns. R43 may cause sensitization by skin contact.
Safety Phrases:	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of soap and water. S36/37/39 Wear suitable protective clothing, gloves and eye/ face protection. S38 In case of insufficient ventilation wear suitable respiratory equipment. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 16: OTHER INFORMATION

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