

MATERIAL SAFETY DATA SHEET

353 05+A

Flortex Mezicoat - Part A



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

Product Name: **FLORTEX MEZICOAT – 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		
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 sensitization 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 the 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:
 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.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure: None established
 Engineering controls:
 If airborne contaminants are generated when the material is 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 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: Material 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. 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

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	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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 Technical Helpline: 01234 846400

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MATERIAL SAFETY DATA SHEET

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Flortex Mezicoat - Part B



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

Product Name: **FLORTEX MEZICOAT – 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

CAS No.	Classification	Conc.
Tetraethylene-pentamine 112-57-2	R36/37/38, R43	<10%

SECTION 3: HAZARDS IDENTIFICATION

Main Hazard: Xi Irritant
 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 sensitization 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. Wash skin with soap and water. In the case of prolonged irritation seek medical attention.
 Inhalation: Can cause distress e.g. nausea/dizziness, especially in confined/unventilated areas. 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: 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

Engineering controls: If airborne contaminants are generated when the material is 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 the product is spray applied, air fed respiratory protection equipment should be worn by any person who cannot vacate the work area.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: Amber
 Odour: Slightly ammoniac
 pH: 10
 Boiling Point/ Range: > 160°C
 Melting Point/ Range: Not determined
 Flash Point: > 100°C
 Flammability: Water-based
 Auto-flammability: Not determined
 Explosive Properties: N/A
 Oxidising Properties: N/A
 Vapour Pressure: Not determined
 Relative Density: Not determined
 Water Solubility: Miscible
 Fat Solubility: Not determined
 Viscosity: 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: Risk of exothermic reaction with oxidising agents, strongly alkaline and strongly acid materials.
 Hazardous decomposition products: Oxides of carbon
 Hazardous polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

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. Drink plenty of water. Do not induce vomiting.

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SECTION 12: ECOLOGICAL INFORMATION

Mobility: Not determined.
 Degradeability: Not determined.
 Bioaccumulative potential:
 Not determined.
 Ecotoxicity: Aquatic toxicity to bacteria, algae, and higher marine organisms not tested.

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

Not classified

SECTION 15: REGULATORY INFORMATION

Label Information: Tetraethylenepentamine.
 Xi irritant
 Risk phrases: R36/37/38 irritating to eyes, respiratory system and skin.
 R43 May cause sensitisation by skin contact.
 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 information provided in this data sheet has been compiled in accordance with the requirements of the Chemical (Hazard Information and Packaging) regulations Directive 93/112/EC.

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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Date of Issue: July 2003

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