MATERIAL SAFETY DATA SHEET

360 1599A

DPM Primer XFH – Part A

POLYCOTE®
"maintenance made easy"

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

Product Name: **DPM PRIMER XFH – PART A**

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; Eye Irrit. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 2: H411.

Most important adverse effects:
Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

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:
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/ eye protection/face protection.
P391: Collect spillage.

Contains: reaction product: bisphenol-A-(epichlorhydrin) / epoxy resin (number average molecular weight ≤700)
1,6-bis(2,3-epoxypropoxy)hexane
bisphenol-F-epichlorhydrine; epoxy resins (molecular weight <=700) glycidyl ether.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:

EINECS	CAS No:	Classification	Percent
BISPHENOL-A-(EPICHLORHYDRIN) / EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT ≤700)			
500-033-5	25068-38-6	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	50 - 100%
BISPHENOL-F-EPICHLORHYDRINE; EPOXY RESINS (MOLECULAR WEIGHT <=700)			
500-006-8	9003-36-5	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	10 - 25%
1,6-BIS(2,3-EPOXYPROPOXY)HEXANE			
240-260-2	16096-31-4	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 3: H412	2,5 - 10%
GLYCIDYL ETHER			
268-358-2	68081-84-5	Skin Irrit. 2: H315; Eye Irrit. 2 H319; Skin Sens. 1: H317; Aquatic Chronic 2: H411	2,5 - 10%

Full text of hazard phrases in section 16.

SECTION 4: FIRST AID MEASURES

General: In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Inhalation: Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Skin contact: Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed
In all cases of doubt, or when symptoms persist, seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam, carbon dioxide, powder, spray mist (water).

Unsuitable media: Strong water jet.

Exposure hazards: Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

Advice for firefighters: Provide a conveniently located respiratory protective device.

Other information: Cool closed containers that are near the source of the fire. Co-ordinate fire-fighting measures to the fire surroundings. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep away from sources of ignition. Ventilated affected area. Do not breathe vapours. See protective measures under sections 7 and 8.

Environmental precautions: Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

Methods for cleaning up: Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Use appropriate container to avoid environmental contamination.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8.
Only use the material in places where open light, fire and other flammable sources can be kept away.
Always keep in containers that correspond to the material of the original container.

SECTION 7: HANDLING AND STORAGE – Cont.

Storage: Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure – no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.
Keep away from food, drink and animal feeding stuffs.
Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5°C and 30°C. Protect from heat and direct sunlight.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

DNEL:
1,6-bis(2,3-epoxypropoxy)hexane
DNEL acute dermal, short-term (local), Workers: 2,26 mg/dm²
DNEL long-term dermal (local), Workers: 2,26 mg/dm²
DNEL long-term dermal (systemic), Workers: 2,8 mg/kg bw/day
DNEL acute inhalative (systemic), Workers: 4,9 mg/m³
DNEL long-term inhalative (local), Workers: 0.44 mg/m³
DNEL long-term inhalative (systemic), Workers: 4,9 mg/m³
bisphenol-F-epichlorhydrine; epoxy resins (molecular weight <= 700)
DNEL long-term dermal (systemic), Workers: 104,15 mg/kg bw/day
DNEL long-term inhalative (systemic), Workers: 29,39 mg/m³
reaction product: bisphenol-A-(epichlorhydrin) / epoxy resin (number average molecular weight ≤700)
DNEL acute dermal, short-term (systemic), Workers: 8,33 mg/kg bw/day
DNEL long-term dermal (systemic), Workers: 8,33 mg/kg bw/day
DNEL acute inhalative (systemic), Workers: 12,25 mg/m³
DNEL long-term inhalative (systemic), Workers: 12,25 mg/m³
PNEC:
1,6-bis(2,3-epoxypropoxy)hexane
PNEC aquatic, freshwater: 0,0115 mg/L
PNEC aquatic, marine water: 0,0115 x10^-1 mg/L
PNEC aquatic, intermittent release: 0,115 mg/L
PNEC sediment, freshwater: 0,283 mg/kg
PNEC sediment, marine water: 0,0294 mg/kg
PNEC Soil: 0,237 mg/kg
PNEC sewage treatment plant (STP): 10 mg/L
reaction product: bisphenol-A-(epichlorhydrin) / epoxy resin (number average molecular weight ≤700)
PNEC aquatic, freshwater: 0,0006 mg/L
PNEC aquatic, marine water: 0,0006 mg/L
PNEC aquatic, intermittent release: 0,018 mg/L
PNEC sediment, freshwater: 0,996 mg/kg
PNEC sediment, marine water: 0,0996 mg/kg
PNEC Soil: 0,196 mg/kg
PNEC sewage treatment plant (STP): 10 mg/L
PNEC Secondary Poisoning: 11 mg/kg

Exposure controls: Provide good ventilation. This can be achieved with local or room suction. When spraying, wear self-contained breathing apparatus.
Respiratory protection: In case of inadequate ventilation wear respiratory protection.
Hand protection: For prolonged or repeated handling the following glove material must be used: nitrile rubber or butyl rubber. Thickness of the glove material >0,4mm; Breakthrough time (maximum wearing time) >480 min.
Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374.
Barrier creams can help protecting exposed skin areas. In no circumstances should they be used after contact.
Eye protection: Wear closely fitting protective glasses in case of splashes.
Protective clothing: Wear suitable protective clothing.
Protective measures: After contact clean skin thoroughly with water and soap or use appropriate cleanser.
Environmental: Do not allow to enter into surface water or drains.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State: Liquid
Colour: Yellowish
Odour: Characteristic
Flash point: >101°C
Vapour pressure: 0,46 mbar @ 20°C
Relative density: 1.13 (Water = 1 @ 20 °C)
Water Solubility: Insoluble

SECTION 10: STABILITY AND REACTIVITY

Chemical stability: Stable when applying the recommended regulations for storage and handling.
Hazardous reactions: Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.
Conditions to avoid: Hazardous decomposition byproducts may form with exposure to high temperatures.
Haz. decomp. products: Hazardous decomposition byproducts may form with exposure to high temperatures, e.g. carbon dioxide, carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:
1,6-bis(2,3-epoxypropoxy)hexane
oral, LD50, Rat: 2190 mg/kg
glycidyl ether
dermal, LD50, Rat: >10000 mg/kg
bisphenol-F-epichlorhydrine: epoxy resins (molecular weight <= 700)
oral, LD50, Rat: >2000 mg/kg
reaction product: bisphenol-A-(epichlorhydrin) / epoxy resin (number average molecular weight ≤ 700)
oral, LD50, Rat: >10000 mg/kg

Practical experience/human evidence:
Irritating to eyes and skin.
May cause sensitization by skin contact.

Polycote DPM Primer XFH – Part A *Cont.*

SECTION 12: ECOLOGICAL INFORMATION

Overall evaluation:
There is no information available on the preparation itself.
Do not allow to enter into surface water or drains.
Long-term Ecotoxicity:
glycidyl ether
Fish toxicity, LC50, Leuciscus idus (golden orfe): 1 - 10 mg/L (96 h): evaluation Toxic to aquatic life.
Daphnia toxicity, EC50: 1 - 10 mg/L (48 h)
bisphenol-F-epichlorhydrine; epoxy resin (molecular weight <= 700)
Fish toxicity, LC50, Leuciscus idus (golden orfe): >100 mg/L (96 h)
Fish toxicity, EC50, Leuciscus idus (golden orfe): >100 mg/L (96 h)
Daphnia toxicity, LC50: >100 mg/L (96 h)
reaction product: bisphenol-A-(epichlorhydrin) / epoxy resin (number average molecular weight ≤ 700)
Fish toxicity, LC50, Leuciscus idus (golden orfe): 3,6 mg/L (96 h)
Daphnia toxicity, EC50: 2,8 mg/L (48 h)
Algae toxicity: ErC50: 220 mg/L (96 h)

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal operations:	Do not allow to enter into surface water or drains. Handle contaminated packages in the same way as the substance itself. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.
Waste codes:	070208: other still bottoms and reaction residues.
Packaging:	Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: TRANSPORT INFORMATION

UN Number:	UN3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class:	9
Packing group:	III
Environmental hazard:	Yes
Marine pollutant:	No
Tunnel category:	E
EmS-No:	F-A, S-F
Transport category:	3

SECTION 15: REGULATORY INFORMATION

EU legislation:
VOC-value (in g/L) ISO 11890-2: 1,132
According to EU-regulations 2004/42/EC (appendix II)
EU limit value for this product (cat. [Cat. A/j]): 550 g/L (2007) / 500 g/L (2010).
This product contains max 70,000 g/L VOC.

SECTION 16: OTHER INFORMATION

Phrases used
in s.2 and 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.
H412: Harmful to aquatic life with long lasting effects.
EUH205: Contains epoxy constituents. May produce an allergic reaction.

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.

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