



BituChem Building Products
HEAD OFFICE:
Laymore Road
Forest Vale Industrial Estate
Cinderford
Gloucestershire GL14 2YH

Phone:
01594 826768
Fax:
01594 826948
E-mail: info@bituchem.com
Website: www.bituchem.com

SURFACE BINDER: POLYBOND

This data sheet has been prepared in accordance with the requirements of the chemicals (Hazards, Information and Packaging) Regulations (CHIP) and the Approved Code of Practice (ACOP).

Known Misuses / Abuses

Do **NOT** mix with other materials which may be at a higher temperature.

1 Identification of the Substance / Preparation, and of the Company / Undertaking.

Product: POLYBOND

Company: BituChem Building Products Ltd

Address: Laymore Road, Forest Vale Industrial Estate, Cinderford,
Gloucestershire, GL14 2YH

Telephone: 01594 826768

2 Composition / Information on Ingredients

POLYBOND is a preparation manufactured from Bitumen, water and additives, none of which creates a hazard. It is a bitumen in water emulsion.

3 Hazard Identification

POLYBOND is NOT classified as dangerous for supply or conveyance.

4 First Aid Measures

Inhalation

Minor Inhalation – unlikely to be harmful.
Major inhalation (unlikely) – seek medical advice.

Skin:

Minor splashes – remove from skin with suitable skin cleanser and wash with soap and water.

Major contact – drench immediately with large quantities of cold water. Do NOT remove any adhering bitumen and seek medical advice.

Eyes

Irrigate thoroughly with cold water and seek medical advice.

Ingestion

(Unlikely) – seek medical advice.

5 Fire-Fighting Measures

Bitumen Emulsion will not burn under normal circumstances.

6 Accidental Release Measures

If no risk is present, shut off leak. Contain and absorb with sand or soil until set solid, then dispose of as in paragraph 13.

7 Handling and Storage

Handling

Wear heat resistant gloves and overalls and protective footwear. Protect eyes from splashes by wearing goggles or visor.



BituChem Building Products
HEAD OFFICE:
Laymore Road
Forest Vale Industrial Estate
Cinderford
Gloucestershire GL14 2YH

Phone:
01594 826768
Fax:
01594 826948
E-mail: info@bituchem.com
Website: www.bituchem.com

POLYBOND is normally supplied and applied in bulk at 40°C - 85°C. If heating is required, it should be done with recirculation. Under NO circumstances should the temperature exceed 90°C (boiling/frothing).

Storage

If POLYBOND has been stored for more than a few hours it should be recirculated before use.

8 Exposure Controls / Personal Protection Exposure Limit Values.

There are no occupational exposure limits listed in EH40.

Recommended Protective Clothing.

Wear heat resistant gloves and overalls and protective footwear. Protect from eyes from splashes by wearing goggles or a visor. It is recommended that the spraybar operator wears an activated charcoal mask during the spraying operation.

9 Physical and Chemical Properties.

Physical State:	Mobile liquid at ambient temperature
Appearance:	Opaque brown/black
Odour:	Characteristic
Acidity/Alkalinity	Approx. 2.0pH
Boiling Point/Boiling Range	100°C (of emulsion water)
Melting Point/Melting Range	Not applicable
Flashpoint	Not applicable
Flammability	Not applicable
Autoflammability	Not applicable
Flammability	upper: Not applicable
	lower: Not applicable
Explosive Properties	Not applicable
Oxidising Properties	Not applicable
Vapour Pressure at 40°C	5 mm Hg
Density at 15°C	0.95-1.05 g/ml
Solubility – Water Solubility	Dispersible
- Fat Solubility/Solvent	Not applicable
Partition Coefficient, n-octanol water	Not determined
Viscosity at 15°C	50 poise

10 Stability and Reactivity

Conditions to avoid

Do not heat above 90°C to avoid boiling/foaming.
Do not store below 2°C to avoid freezing.

Materials to avoid

Alkalis.

Decomposition Products

The emulsion will NOT burn.

Mechanical Handling

Excessive pumping can lead to the breaking of an emulsion.

11 Toxicological Information

Acute Health Hazards and Advice

Exposure to POLYBOND is not hazardous but skin contact should be avoided. Scalding can occur because POLYBOND is normally handled at 40°C - 85°C. POLYBOND is irritating to eyes. If eye contact occurs irrigate with cold water and seek medical advice.

12 Ecological Information

Minimum Hazard but high concentrations of emulsions may harm fish (by blocking gills).

13 Disposal Considerations

Dispose as a controlled waste in accordance with local bye-laws and regulations.

14 Transport Information

Not classified as a dangerous substance for conveyance. Handled in accordance with the CIA Black and White Marking Scheme (2W Hot Liquid).



BituChem Building Products
HEAD OFFICE:
Laymore Road
Forest Vale Industrial Estate
Cinderford
Gloucestershire GL14 2YH

Phone:
01594 826768
Fax:
01594 826948
E-mail: info@bituchem.com
Website: www.bituchem.com

15 Regulatory Information.

Not dangerous for supply. This material has been classified in accordance with the Preparations Directive.

16 Other Information

The references set out below give further information on specific aspects.

Legislation

Chemicals (Hazards, Information and Packaging) Regulations.

Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labelling). Regulations.

Control of Substances Hazardous to Health Regulations.

Environmental Protection Act.

The Reporting of Injuries, Diseases and Dangerous Occurrences Regulations.

Guidance Notes

EH26 Occupational Skin Disease : Health and Safety Precautions.

EH40 Occupational Exposure Limits.

British Standards

BS 434 Part 1 Specification for Bitumen Road Emulsions.

BS3690 Part 1 Specification for Bitumen for Roads and Other Paved Areas.