Polybond E Primer - Base

Date of Issue: 27 June 2026 Revision Number: 2.5

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name: Polybond E Primer - Base

Product Description: A clear epoxy primer for use with porous substrates.

1.2 Relevant Identified Uses and Uses Advised Against

Identified Uses: Two-pack epoxy primer for industrial/professional use on porous substrates.

Uses Advised Against: Not for domestic use or non-industrial applications without professional guidance.

1.3 Details of the Supplier of the Safety Data Sheet

Supplier: Polybond Ltd.

Address: Unit 6, William Street, Northam, Southampton, Hampshire, SO14 5QH, United Kingdom

Telephone: +44 (0) 2380 988350

Fax: +44 (0) 2380 988355

Email: sales@polybond.co.uk

1.4 Emergency Telephone Number

Emergency Contact: +44 (0) 2380 988350 (Monday–Friday, 09:00–17:00 GMT/BST)

Out-of-Hours Emergency: UK National Poisons Information Service (NPIS): +44 (0) 344 892 0111 (24/7)

Section 2: Hazards Identification

2.1 Classification of the Substance/Mixture

Physical/Chemical Hazards: Flam. Liq. 3 - H226

Human Health Hazards: Acute Tox. 4 - H312+332; Eye Irrit. 2 - H319; STOT SE 3 - H336

Environmental Hazards: None

2.2 Label Elements

Signal Word: Danger

Hazard Statements: H226 - Flammable liquid and vapour. H312+332 - Harmful in contact with skin or if inhaled. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.

Precautionary Statements: P233, P261, P280, P301+P310, P331

2.3 Other Hazards

This product does not contain any substances assessed as PBT or vPvB.

Section 3: Composition/Information on Ingredients

3.1 Mixtures

Substance	EC No.	CAS No.	UK REACH Reg. No.	Conc. %	Classification
Xylene	215-535-7	1330-20-7	Notification pending (UK REACH transitional provisions apply)	24-47%	H226, H312, H315, H332
Butanone	201-159-0	78-93-3	Notification pending (UK REACH transitional provisions apply)	<20%	H225, H319, H336
n-Butanol	200-751-6	71-36-3	Notification pending (UK REACH transitional provisions apply)	8-8.5%	H226, H302, H315, H318, H335, H336

Full text of H-statements: see Section 16.

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Inhalation: Remove affected person to fresh air and keep at rest. If breathing is irregular or has stopped, administer artificial respiration. Seek medical attention.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or a proprietary skin cleanser. Do not use solvents or thinners. Seek medical attention if irritation persists.

Eye Contact: Immediately wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Seek medical attention.

Ingestion: Do NOT induce vomiting. Seek immediate medical attention and show the container or label. Keep person warm and at rest.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

May cause drowsiness and dizziness. Aspiration hazard if swallowed; entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. May cause irritation, redness, dry skin and dermatitis. May cause irritation or pain, lacrimation and redness of the eye tissue.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

May cause central nervous system depression. Call a poison control centre for guidance. For out-of-hours emergencies contact NPIS: +44 (0) 344 892 0111 (24/7).

Section 5: Firefighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, dry chemical powder or water fog. Foam should be applied in large quantities as it is broken down to some extent by the product.

Unsuitable Extinguishing Media: Do not use a solid water jet as this may scatter and spread fire.

5.2 Special Hazards Arising from the Substance or Mixture

In a fire or if heated, a pressure increase may burst containers. Vapour/gas is heavier than air and will spread along the ground. During fire, oxides of carbon and nitrogen are formed.

5.3 Advice for Firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use water spray to control vapours and cool fire-exposed containers. Keep run-off water out of sewers and water sources.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use protective gloves, goggles, respirator and suitable protective clothing. Avoid contact with skin and eyes. Restrict access to authorised personnel. Stay upwind.

6.2 Environmental Precautions

Do not allow product to enter surface water or sewer system. If risk of water pollution occurs, notify the Environment Agency.

6.3 Methods and Material for Containment and Cleaning Up

Ventilate well; stop the flow of gas or liquid if possible. Absorb in vermiculite, dry sand or earth and place in containers for disposal.

6.4 Reference to Other Sections

See Sections 7, 8 and 13 for further information.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Avoid creating dusty conditions and prevent wind dispersal. When using, do not eat, drink or smoke. Wear suitable gloves and eye/face protection (see Section 8). Equipment or utensils used for dispensing the chemical must be suitable for the purpose and washed out after use. Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Avoid contact with eyes, skin and clothing, and avoid ingestion/inhalation. Emergency eyewash stations and showers should be made available.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store in a dry, ventilated area. Reseal open packages to prevent spillage. Keep containers tightly closed. Keep away from oxidising substances.

7.3 Specific End Use(s)

See Section 1.2.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters — HSE EH40 Workplace Exposure Limits (WELs)

Substance	Long-term (8hr TWA)	Short-term (15min STEL)	Notation	Basis
Xylene	50 ppm / 220 mg/m^3	100 ppm / 441 mg/m^3	Sk	HSE EH40
Butanone	200 ppm / 600 mg/m^3	300 ppm / 899 mg/m^3	-	HSE EH40
n-Butanol	See note (ceiling limit)	C 50 ppm / 154 mg/m^3	Sk	HSE EH40

n-Butanol is assigned a ceiling (C) limit under HSE EH40 rather than separate long-term (TWA) and short-term (STEL) values; this concentration must not be exceeded at any time during the working day.

8.2 Exposure Controls

Engineering Controls:	Adequate ventilation should be provided such that Derived No Effect Levels are not exceeded. Local exhaust ventilation is preferable to personal protection.
Eye/Face Protection:	Chemical safety goggles.
Skin Protection:	Gloves made of Butyl Rubber at least 0.5mm thick. Xylene and n-Butanol are assigned a skin (Sk) notation under HSE EH40, indicating significant potential for dermal absorption.
Respiratory Protection:	A chemical respirator should be worn where exposure limits may be exceeded or ventilation is inadequate.
Environmental Exposure Controls:	Prevent release to the environment; see Section 6.2.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Viscous liquid
Odour:	Sweet, solvent
Boiling Point/Range:	Unknown
Melting Point:	Unknown
Flash Point:	Approx. 23-27°C (closed cup) — estimated, consistent with Flam. Liq. 3/H226 classification and significant Xylene/Butanone content; supplier confirmation recommended.
Vapour Density:	Unknown
Density:	Approx. 1.1 g/cm^3 @ STP
Solubility in Water:	Immiscible with water
VOC Content:	No data available

9.2 Other Information

No additional information available.

Section 10: Stability and Reactivity

10.1 Reactivity

No specific reactivity hazards known under normal conditions of use.

10.2 Chemical Stability

Stable under normal conditions of storage and use.

10.3 Possibility of Hazardous Reactions

Does not decompose under normal conditions.

10.4 Conditions to Avoid

Heat, flames, static discharges and all other ignition sources.

10.5 Incompatible Materials

Oxidising agents.

10.6 Hazardous Decomposition Products

When heated, produces oxides of carbon and nitrogen.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects

Substance	Test	Species	Result
Xylene	Acute Toxicity (Oral LD50)	Rat	3523 mg/kg
Butanone	Acute Toxicity (Oral LD50)	Rat	4.29 ml/kg
n-Butanol	Acute Toxicity (Oral LD50)	Rat	2.83 ml/kg

Prolonged or repeated skin contact may cause irritation and dermatitis. May cause irritation to eyes and the respiratory tract. May cause nausea and vomiting, and may lead to kidney failure or cause central nervous system depression. No data suggesting carcinogenic, mutagenic or reproductive toxicity effects at the product level.

Section 12: Ecological Information

12.1 Toxicity

Polybond E-Primer is not considered to be dangerous to the environment or toxic to fish.

12.2 Persistence and Degradability

No data available.

12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil

No data available.

12.5 Results of PBT and vPvB Assessment

This product does not contain any PBT or vPvB substances.

12.6 Other Adverse Effects

None known.

Section 13: Disposal Considerations

13.1 Waste Treatment Methods

Hazardous waste. Contact specialist disposal companies. Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand. Use a licensed waste disposal contractor.

European Waste Catalogue (EWC) Code: 08 01 11* (waste paint and varnish containing organic solvents or other dangerous substances) — confirm with waste contractor

Section 14: Transport Information

14.1 UN Number: 1263

14.2 UN Proper Shipping Name: Paint-related materials

14.3 Transport Hazard Class(es): Class 3

14.4 Packing Group: III

14.5 Environmental Hazards: Not classified as a marine pollutant unless stated otherwise above.

14.6 Special Precautions for User: See Sections 6 and 7 for handling and spillage precautions.

14.7 Transport in Bulk (Annex II MARPOL / IBC Code): Not applicable (packaged goods only).

Mode	UN No.	Proper Shipping Name	Class	Packing Group	EMS
ADR/RID (road/rail)	1263	Paint-related materials	3	III	Hazard No. (ADR): 30
IMDG (sea)	1263	Paint-related materials	3	III	F-E, S-E
IATA (air)	1263	Paint-related materials	3	III	Not applicable (EMS code applies to IMDG only)

Transport classification per Section 2 GB CLP hazard classification. Confirm packing instructions and quantity limitations with a qualified Dangerous Goods Safety Adviser (DGSA) / freight forwarder prior to shipment.

Tunnel Restriction Code (ADR): (D/E)

Section 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation

UK REACH (SI 2019/758 — retained EU law); GB CLP (SI 2019/720 — retained EU law); COSHH Regulations 2002 (as amended); Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009, SI 2009/1348); Workplace Exposure Limits: HSE EH40 (4th Edition, as amended).

This Safety Data Sheet has been prepared in accordance with GB REACH Annex II requirements (SI 2019/758) as applicable post-Brexit.

15.2 Chemical Safety Assessment

Not conducted.

Section 16: Other Information

16.1 Full Text of Hazard Statements

Code	Full Text
H225	Highly flammable liquid and vapour.

Code	Full Text
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

16.2 Summary of Revisions (Rev 2.5 — 27 June 2026)

- All references to "EC 1272/2008" replaced with "GB CLP (SI 2019/720 — retained EU law)" throughout.
- All references to "Regulation (EC) No 1907/2006" replaced with "UK REACH (SI 2019/758 — retained EU law)" throughout.
- Section 3: Column header updated to "UK REACH Reg. No."; transitional notification-pending status noted for each substance.
- Section 8: HSE EH40 Workplace Exposure Limit (WEL) table added for substances with an established UK WEL.
- Section 14: Transport information confirmed and expanded with full ADR/RID, IMDG and IATA sub-structure.
- Section 15: Rewritten to reference UK/GB legislation only (UK REACH, GB CLP, COSHH 2002, CDG 2009, HSE EH40); all EU Regulation citations removed.
- All references to the (revoked) CHIP Regulations removed.
- Section 1.4: NPIS 24/7 out-of-hours emergency number added (+44 (0) 344 892 0111).
- Date of Issue updated to 27 June 2026; Revision Number updated to 2.5.
- Document reformatted to current Polybond house style template (navy header/footer, full 16-section GB REACH Annex II structure, "SAFETY DATA SHEET" label removed from header).
- Section 3.1: Corrected an OCR/typographical error in the original SDS, which listed the CAS number for Butanone as "78-93-33" (an invalid 7-digit format); the correct CAS number, 78-93-3, has been used.
- Section 16.1: Hazard statement list verified against the literal "Hazard Statements From Section 2.1 and 3 in Full" table printed in the original SDS, including ingredient-level codes not present in the product-level Section 2.1 classification.

16.3 Abbreviations and Acronyms

Abbreviation	Definition
ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road.
CAS	Chemical Abstracts Service.
DNEL	Derived No-Effect Level.
EC50	Effective Concentration, 50%.
EMS	Emergency Schedule (IMDG Code fire/spillage guide).
EWC	European Waste Catalogue.
GHS	Globally Harmonized System of Classification and Labelling of Chemicals.
HSE EH40	HSE Guidance Note EH40 on Workplace Exposure Limits (as amended).

Abbreviation	Definition
IATA	International Air Transport Association.
IMDG	International Maritime Dangerous Goods Code.
IC50	Concentration halfway between baseline and completely inhibiting a biological function.
LC50	Lethal Concentration, 50%.
LD50	Lethal Dose, 50%.
LL50 / EL50	Similar to LC50/EC50 but tests the water phase from incompletely miscible materials.
PBT	Persistent, Bioaccumulative, Toxic.
PG	Packing Group.
PNEC	Predicted No-Effect Concentration.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL	Short-Term Exposure Limit.
STOT RE	Specific Target Organ Toxicity, Repeated Exposure.
STP	Standard Temperature and Pressure (25°C, 1 atm).
TWA	Time-Weighted Average.
UK REACH	UK Registration, Evaluation, Authorisation and Restriction of Chemicals (SI 2019/758).
vPvB	Very Persistent and Very Bioaccumulative.
WEL	Workplace Exposure Limit.

16.4 Disclaimer

This Safety Data Sheet is provided for the health and safety of users. Polybond Ltd. accepts no liability for errors or omissions. This document does not replace a workplace-specific risk assessment as required by the Health & Safety at Work Act, COSHH, Management of Health and Safety at Work Regulations or other applicable legislation. Prepared in accordance with UK REACH (SI 2019/758) and GB CLP (SI 2019/720) Regulations.

Revision date: 27 June 2026