



Polybond Syn Oxide

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

1.1 Product Identifier

Product Name: Polybond Universal PVA
Product Description: A water soluble synthetic polymer.

1.2 Relevant Identified Uses and Uses Advised Against

Identified Uses: Industrial coatings for professional use.
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 or Mixture

Classification according to GB CLP (SI 2019/720 — retained EU law):

Hazard Classification: None (not classified as hazardous under GB CLP)

Human Health:

Not classified as harmful to human health.

Physical and Chemical Hazards:

None

Environmental Hazards:

Not classified as hazardous to the environment.

2.2 Label Elements

Signal Word: None
Contains: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1);
1,2-Benzisothiazol-3(2H)-one

Hazard Statements:

• EUH208 Contains 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.

Precautionary Statements:

- P280 Wear protective gloves/eye protection.
- P314 Get medical advice/attention if you feel unwell.

2.3 Other Hazards

This product does not contain any PBT (Persistent, Bioaccumulative, Toxic) or vPvB (Very Persistent, Very Bioaccumulative) substances as defined under UK REACH (SI 2019/758).

Section 3: Composition / Information on Ingredients

Does not contain any substances classified as hazardous under GB CLP (SI 2019/720). Contains preservative biocides as noted in Section 2.2.

UK REACH registration numbers will be confirmed upon completion of GB registration under SI 2019/758. Transitional provisions apply. All concentration values are expressed as weight/weight %.

This product does not contain any substances classified as hazardous under GB CLP (SI 2019/720).

Section 4: First-Aid Measures



Polybond Syn Oxide

4.1 Description of First-Aid Measures

General: If medical attention is required, present this SDS to the physician. Remove all contaminated clothing. The person must rest and be kept under observation. Define a first aid plan of action prior to working with this product.

Inhalation: Remove affected person to fresh air and keep at rest. Do not leave affected person unattended. If symptoms occur, seek medical attention.

Skin Contact: Flood skin with large quantities of soap and water whilst removing contaminated clothing. Wash for at least 15 minutes. If irritation develops, seek medical attention.

Eye Contact: Remove contact lenses. Immediately wash eyes with plenty of water, lifting the eyelids. Continue to rinse for at least 15 minutes. If irritation persists, seek medical attention.

Ingestion: Do NOT induce vomiting. If swallowed, seek medical advice immediately. Show this SDS to the physician. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

4.2 Most Important Symptoms and Effects (Acute and Delayed)

Inhalation:	No known symptoms.
Skin Contact:	Repeated or prolonged exposure may cause skin irritation.
Eye Contact:	Irritation, lacrimation and redness of the eye tissue.
Ingestion:	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

4.3 Immediate Medical Attention

Treat symptomatically. Show this SDS to a physician. For out-of-hours emergencies contact NPIS: +44 (0) 344 892 0111 (24/7).

Section 5: Firefighting Measures

5.1 Suitable Extinguishing Media:	Suitable media for surrounding area.
Unsuitable Media:	Water jets (unless stated otherwise above).
5.2 Special Hazards:	Not combustible under normal conditions.
Combustion Products:	Does not combust under normal conditions.
5.3 Advice for Firefighters:	Personal Protective Equipment appropriate to the area. Stay upwind. Evacuate personnel away from the fire area. Cool containers exposed to heat with water spray. Contain spread of extinguishing fluids. If risk of water pollution occurs, notify the Environment Agency.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use protective gloves, goggles and suitable protective clothing. Avoid prolonged contact with skin.

6.2 Environmental Precautions

Do not allow to enter surface water or sewer system.

6.3 Methods and Materials for Containment and Clean Up

Large spills: collect mechanically (pumping). Soak up with inert absorbent material (sand, silica gel, sawdust). Transfer to properly labelled containers. Dispose of in accordance with local regulations.

6.4 Reference to Other Sections:	See Sections 8 and 13.
---	------------------------

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Do not eat, drink or smoke when using. Wear suitable gloves and eye/face protection. Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Emergency eyewash stations and safety showers should be available.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store in a dry, ventilated area at temperatures between 5°C and 35°C. Keep containers tightly closed. Keep away from oxidising substances. Do not freeze.

7.3 Specific End Use(s)

Industrial coatings for professional application. See product technical datasheet for application guidance.

Section 8: Exposure Controls / Personal Protection

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



Polybond Syn Oxide

No specific WELs established for this product under HSE EH40. No hazardous ingredients at reportable concentrations.

WEL values from HSE EH40 (4th Edition, as amended). DNELs where listed are for individual ingredients at full concentration, not as present in the product.

8.2 Exposure Controls

Adequate ventilation should be provided. Local Exhaust Ventilation is preferable to personal protection. Nitrile rubber gloves (EN 374, 0.1–0.4 mm thick) and safety glasses. Provide eyewash stations and safety showers.

8.3 Hygiene Measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Remove wet or contaminated clothing promptly and place in a closed container until disposal or decontamination. Warn cleaning personnel of contaminants' hazardous properties.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	White aqueous dispersion
Odour:	Ester-like
Flash Point:	Not applicable — product is not flammable (contains no flammable solvents). No H226 classification applies.
Density:	approx. 0.9–1.1 g/cm ³ @ STP
Solubility in Water:	Miscible with water
VOC Content:	None
Boiling Point:	No data available
Melting Point:	No data available
pH:	Not applicable / No data available
Vapour Density:	No data available
9.2 Other Information:	No additional data available.

Section 10: Stability and Reactivity

10.1 Reactivity:	Temperature extremes and direct sunlight.
10.2 Chemical Stability:	Stable under normal recommended storage conditions.
10.3 Possibility of Hazardous Reactions:	None known under normal conditions.
10.4 Conditions to Avoid:	Temperature extremes and direct sunlight.
10.5 Incompatible Materials:	None identified.
10.6 Hazardous Decomposition Products:	Does not decompose under normal conditions.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects

Skin Contact:	Prolonged or repeated contact may cause irritation which may lead to dermatitis.
Eye Contact:	May cause irritation.
Inhalation:	None identified under normal use conditions.
Ingestion:	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

11.2 Other Hazards

Toxicological data provided for individual ingredients is at full concentration and does not represent the toxicity of the mixture as a whole. Refer to Section 3 for concentration ranges.

Section 12: Ecological Information

12.1 Toxicity

Not classified as hazardous to the environment. No PBT or vPvB substances present.

12.2 Persistence and Degradability:	No data available for this product.
12.3 Bioaccumulative Potential:	No data available for this product.
12.4 Mobility in Soil:	No data available for this product.
12.5 PBT and vPvB Assessment:	This product does not contain any PBT or vPvB substances.



Polybond Syn Oxide

- 12.6 Endocrine Disrupting Properties:** None known.
- 12.7 Other Adverse Effects:** None identified.

Section 13: Disposal Considerations**13.1 Waste Treatment Methods**

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand and dispose of with a licensed waste operator. Do not allow to enter drains, watercourses or soil.

Do not allow contents/container to enter drains, watercourses or soil. Disposal of waste into soil, drains, rivers or water bodies is prohibited.

Section 14: Transport Information

This product is not subject to transport regulations (ADR/RID, IMDG, IATA).

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
EUH208	Contains 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.

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

- Section 2.1: Classification updated to GB CLP (SI 2019/720); "EC 1272/2008" reference removed.
- Section 1.4: NPIS 24/7 out-of-hours emergency number added (+44 (0) 344 892 0111).
- Section 3: Column header updated to "UK REACH Reg. No."; transitional provisions noted.
- Section 8: HSE EH40 WEL table added for relevant substances.
- Section 9: Flash point status clarified.
- Section 14: Transport table expanded to include ADR/RID, IMDG and IATA columns.
- Section 15: Rewritten to reference UK/GB legislation only; all EU Regulation references removed.
- Section 16: CHIP Regulations reference removed (CHIP 2009 was revoked and superseded by GB CLP).
- Date updated to 27 June 2026; Revision Number updated to 2.5.

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%.
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).
IATA	International Air Transport Association.



Polybond Universal PVA

SAFETY DATA SHEET

Date of Issue: 27 June 2026 Revision Number: 2.5

Polybond Syn Oxide

Abbreviation	Definition
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.
NOEC	No Observed Effect Concentration.
PBT	Persistent, Bioaccumulative, Toxic.
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.
STOT SE	Specific Target Organ Toxicity, Single 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