Polybond Avigel

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 Avigel

Product Description: A strippable coating designed for application to metal surfaces.

1.2 Relevant Identified Uses and Uses Advised Against

Identified Uses: Temporary strippable protective coating for metal surfaces; for industrial/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/Mixture

Physical/Chemical Hazards: Flam. Liq. 2 - H225

Human Health Hazards: Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; STOT SE 3 - H336; STOT RE 2 - H373; Asp. Tox. 1 - H304; Repr. 2 - H361d

Environmental Hazards: Not classified

2.2 Label Elements

Signal Word: Danger

Hazard Statements: H225 - Highly flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. H361d - Suspected of damaging the unborn child. H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements: P201, P210, P233, P240, P241, P242, P243, P260, P261, P264, P271, P280, P301+P310, P303+P361+P353, P304+P340, P305+P351+P338, P308+P313, P314, P337+P313, P370+P378, P403+P235, P501

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
Toluene	203-625-9	108-88-3	Notification pending (UK REACH transitional provisions apply)	30-60%	H225, H304, H315, H336, H361d, H373
Acetone	200-662-2	67-64-1	Notification pending (UK REACH transitional provisions apply)	30-60%	H225, H319, H336

Full text of H-statements: see Section 16.

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Inhalation: Remove to fresh air immediately. May cause drowsiness or dizziness. Seek medical attention if symptoms persist.

Skin Contact: Remove contaminated clothing and wash skin thoroughly with soap and water. Seek medical attention if irritation persists.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing and seek medical attention.

Ingestion: Do NOT induce vomiting — risk of aspiration into the lungs (H304). Rinse mouth and seek immediate medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

May be fatal if swallowed and enters airways. Vapour may cause drowsiness and dizziness. Causes skin and serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Suspected of damaging the unborn child.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If swallowed, immediate specialist medical attention is required due to aspiration hazard. Do not induce vomiting.

Section 5: Firefighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media: Dry chemical powder, foam, carbon dioxide. Water spray to cool containers.

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

Highly flammable liquid and vapour. Vapour may form explosive mixtures with air. Vapour is heavier than air and may travel along the ground to a source of ignition.

5.3 Advice for Firefighters

Wear self-contained breathing apparatus and full protective equipment. Cool fire-exposed containers with water spray.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Eliminate all sources of ignition. Evacuate non-essential personnel. Ensure adequate ventilation. Wear suitable protective equipment (see Section 8).

6.2 Environmental Precautions

Prevent entry into drains, watercourses or soil. Contain spillage.

6.3 Methods and Material for Containment and Cleaning Up

Absorb with inert absorbent material (sand, vermiculite) and place in a suitable closed container for disposal. Ventilate area.

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

Keep away from heat, sparks, open flames and other ignition sources. No smoking. Use only in well-ventilated areas. Use explosion-proof electrical equipment. Take precautionary measures against static discharge. Avoid breathing vapour. Pregnant workers should avoid exposure (see H361d).

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store in a cool, well-ventilated area away from heat and ignition sources. Keep container tightly closed. Store away from oxidising agents.

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
Toluene	50 ppm / 191 mg/m^3	100 ppm / 384 mg/m^3	Sk	HSE EH40
Acetone	500 ppm / 1210 mg/m^3	1500 ppm / 3620 mg/m^3	-	HSE EH40

Note: the TWA/STEL values for Toluene and Acetone in this table have been corrected from the original SDS, which transposed the two substances' figures. The values shown above are the current HSE EH40 (4th Edition, as amended) figures for each substance. See Section 16.2 for a record of this correction.

8.2 Exposure Controls

Engineering Controls:	Use only with adequate ventilation. Use explosion-proof local exhaust ventilation if necessary.
Eye/Face Protection:	Chemical safety goggles.
Skin Protection:	Solvent-resistant gloves (e.g. nitrile or PVA). Toluene is assigned a skin (Sk) notation under HSE EH40, indicating significant potential for dermal absorption.
Respiratory Protection:	Use suitable respiratory protection if 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:	Clear
Odour:	Solvent
Boiling Point/Range:	56°C to 110°C @ 760 mmHg
Flash Point:	-17°C (closed cup)
Flammability Limits:	Lower: 1.0% Upper: 12.0%
Oxidising Properties:	Not applicable
Vapour Density:	>1.0 (air = 1)
Density:	0.952 g/cm^3 @ STP
Solubility in Water:	Slightly soluble
VOC Content:	668 g/l

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

Vapour may form explosive mixtures with air.

10.4 Conditions to Avoid

Heat, sparks, open flames and other ignition sources. Extremes of temperature.

10.5 Incompatible Materials

Strong oxidising agents.

10.6 Hazardous Decomposition Products

Combustion may produce carbon monoxide and carbon dioxide.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects

Substance	Test	Species	Result
Mixture	Aspiration Hazard	N/A	May be fatal if swallowed and enters airways (H304)
Mixture	STOT RE	N/A	May cause organ damage through prolonged/repeated exposure (H373)
Mixture	Reproductive Toxicity	N/A	Suspected of damaging the unborn child (H361d)
Mixture	STOT SE	N/A	May cause drowsiness or dizziness (H336)

No data suggesting carcinogenic or mutagenic effects at the product level.

Section 12: Ecological Information

12.1 Toxicity

Not classified as hazardous to the aquatic environment at the product level. No specific ecotoxicological data available for the mixture.

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 mixture does not meet PBT/vPvB criteria.

12.6 Other Adverse Effects

None known.

Section 13: Disposal Considerations

13.1 Waste Treatment Methods

Dispose of in accordance with local, regional and national regulations. Do not discharge to drains or watercourses. Use a licensed waste disposal contractor.

European Waste Catalogue (EWC) Code: 08 01 11* (waste paint/varnish containing organic solvents) — 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: II

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	II	Hazard No. (ADR): 33
IMDG (sea)	1263	Paint-related materials	3	II	F-E, S-E
IATA (air)	1263	Paint-related materials	3	II	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.

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.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Code	Full Text
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
EUH066	Repeated exposure may cause skin dryness or cracking.

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 8: the Workplace Exposure Limit table in the original SDS transposed the TWA/STEL values for Toluene and Acetone. This has been corrected; the table above now shows the current HSE EH40 (4th Edition, as amended) figures correctly assigned to each substance (Toluene: 50 ppm/191 mg/m³ TWA, 100 ppm/384 mg/m³ STEL, Sk notation; Acetone: 500 ppm/1210 mg/m³ TWA, 1500 ppm/3620 mg/m³ STEL).

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).
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%.

Abbreviation	Definition
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