

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking**1.1 Product Identifier**

Product Name: Standard Thinners
Description: A paint thinner containing a blend of organic solvents.

1.2 Relevant Identified Uses and Uses Advised Against

Identified Uses: Thinning of oil-based paints and coatings.
Uses Advised Against: Not for domestic use without appropriate controls.

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 BST)
Out-of-Hours: UK National Poisons Information Service (NPIS): +44 (0) 344 892 0111 (available 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)**:

Flammable liquids, Cat. 2 — H225
Acute toxicity (oral/dermal/inhalation), Cat. 4 — H302+H312+H332
Reproductive toxicity, Cat. 2 — H361d
STOT — Single Exposure, Cat. 2 — H336, H371
EUH066

2.2 Label Elements

Signal Word: DANGER
Contains: Xylene; Toluene; Methanol; Ethyl Acetate; Acetone; Isopropanol

Hazard Statements:

H225 Highly flammable liquid and vapour.
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child via inhalation.
H371 May cause damage to the optic nerve or central nervous system.
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary Statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a doctor.
P331 Do NOT induce vomiting.

2.3 Other Hazards

None.

Section 3: Composition/Information on Ingredients

3.2 Mixtures — Hazardous Ingredients

Note: UK REACH registration numbers will be confirmed upon completion of GB registration under SI 2019/758. Transitional provisions apply.

Chemical Name	CAS No.	EC No.	UK REACH Reg. No.	Conc. (% w/w)	Classification (GB C
Xylene	1330-20-7	215-535-7	Notification pending (UK REACH transitional provisions apply)	<30%	H226, H312, H315, H332
Toluene	108-88-3	203-625-9	Notification pending (UK REACH transitional provisions apply)	<30%	H225, H304, H315, H336, H361d, H3
Methanol	67-56-1	200-659-6	Notification pending (UK REACH transitional provisions apply)	<10%	H225, H301, H311, H331, H371
Ethyl Acetate	141-78-6	205-500-4	Notification pending (UK REACH transitional provisions apply)	<10%	H225, H319, H336, EUH066
Acetone	67-64-1	200-662-2	Notification pending (UK REACH transitional provisions apply)	<60%	H225, H319, H336
Isopropanol	67-63-0	200-661-7	Notification pending (UK REACH transitional provisions apply)	<30%	H225, H319, H336

Section 4: First-Aid Measures

4.1 Description of First-Aid Measures

Inhalation:	Remove to fresh air. If recovery is not rapid, transport to nearest medical facility.
Skin Contact:	Remove contaminated clothing. Flush skin with large amounts of water for at least 15 minutes. Seek medical attention if redness, swelling, pain or blistering occurs.
Eye Contact:	Flush with large amounts of water for at least 15 minutes, holding eyelids open. Transport to nearest medical facility.
Ingestion:	Do NOT induce vomiting. Transport to nearest medical facility. Keep head below hips if vomiting occurs spontaneously.

4.2 Most Important Symptoms and Effects

Inhalation: drowsiness, dizziness. Ingestion: nausea, vomiting. Skin: irritation, redness, dermatitis. Eyes: irritation, pain, redness.

4.3 Immediate Medical Attention

Treat symptomatically. Show this SDS to a physician.

Section 5: Firefighting Measures

5.1 Extinguishing Media

Suitable:	Carbon dioxide, dry chemical, powder or water fog. Do not use water in a jet.
Unsuitable:	Water jets.

5.2 Special Hazards

Flammable liquid/vapour.

Combustion products: Oxides of carbon.

5.3 Advice for Firefighters

PPE:	Self-contained breathing apparatus and full protective clothing.
Environmental:	Keep run-off water out of sewers and water sources.
Procedures:	Stay upwind, evacuate personnel, use suitable extinguishers. Use water spray to control vapours.

Section 6: Accidental Release Measures

6.1 Personal Precautions

Use protective gloves, goggles, respirator and suitable protective clothing. Do not smoke or use open fire. Stay upwind.

6.2 Environmental Precautions

Notify authorities if significant spillages cannot be contained. Prevent entry into drains, ditches or rivers.

6.3 Methods and Material for Containment and Clean-Up

For large spills (>300 L): use vacuum truck. For small spills (<300 L): transfer by mechanical means to sealed containers. Absorb residues with non-flammable absorbent (not sawdust).

6.4 Reference to Other Sections

See Sections 8 and 13.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Avoid creating dusty conditions. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using. Wash thoroughly after handling.

7.2 Conditions for Safe Storage

Store in dry, ventilated area. Keep containers tightly closed. Keep away from oxidising substances.

7.3 Specific End Use(s)

Thinning of oil-based paints and coatings.

Section 8: Exposure Controls/Personal Protection

8.1 Workplace Exposure Limits (WELs) — HSE EH40 (GB)

Substance	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Xylene	50	220	100	441
Toluene	50	191	100	384
Methanol	200	266	250	333
Ethyl Acetate	200	734	400	1468
Acetone	500	1210	1500	3620
Isopropanol	400	999	500	1250

8.2 Exposure Controls

Adequate ventilation to ensure WELs per HSE EH40 are not exceeded. Butyl rubber gloves (min 0.5 mm thick), goggles, protective overalls, chemical respirator and chemically resistant safety shoes.

Hygiene Measures

Wash hands at the end of each work shift and before eating, smoking or using the toilet. Wash promptly if skin becomes wet or contaminated. Remove wet or contaminated clothing promptly. Contaminated clothing should be placed in a closed container for disposal or decontamination.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Property	Value
Appearance	Clear liquid
Odour	Characteristic solvent odour
Boiling range	40–150°C

Flash point	<21°C (closed cup) — highly flammable, consistent with H225 classification
Upper flammable limit	7% in air
Specific gravity	Max. 0.87 g/cm ³ @ STP
pH	5–9
Solubility in water	Partially miscible

9.2 Other Information

No additional data available.

Section 10: Stability and Reactivity

10.1 Reactivity:	Heat, flames, static discharges and all ignition sources.
10.2 Chemical Stability:	Stable under normal conditions of storage and handling.
10.3 Hazardous Reactions:	None known.
10.4 Conditions to Avoid:	Heat, flames, static discharges and all ignition sources.
10.5 Incompatible Materials:	Oxidising agents.
10.6 Hazardous Decomposition Products:	Does not decompose under normal conditions. When heated, produces oxides of carbon and water.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects

General:	Possible reproductive impact. Contains Toluene (suspected reproductive toxicant) and Methanol (optic nerve toxicant).
Skin Contact:	Prolonged or repeated contact causes irritation which may lead to dermatitis.
Eye Contact:	May cause irritation.
Inhalation:	May cause irritation to the respiratory tract and coughing.
Ingestion:	May cause nausea and vomiting. Ingesting large quantities may lead to kidney failure and damage to the optic nerve.

11.2 Other Hazards

None known.

Section 12: Ecological Information

12.1 Toxicity

Not considered dangerous to the environment or toxic to fish at the concentrations present in this formulation.

12.2 Persistence and Degradability

No data available on persistence and degradability.

12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil

No data available.

12.5 PBT and vPvB Assessment

Does not contain PBT or vPvB substances.

12.6 Endocrine Disrupting Properties

None known.

Section 13: Disposal Considerations

13.1 Waste Treatment Methods

Hazardous waste. Contact specialist disposal companies. Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point in accordance with local authority requirements.

Section 14: Transport Information

Parameter	ADR/RID (Road/Rail)	IMDG (Sea)	IATA (Air)
UN Number	1263	1263	1263
Proper Shipping Name	Paint-related materials	Paint-related materials	Paint-related materials
Hazard Class	3	3	3
Packing Group	III	III	III
EMS / Special Precautions	EMS F-E, S-E; Hazard ID 30; Tunnel	EMS (D/E) S-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); The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009, SI 2009 No 1348).

Approved Code of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits — HSE EH40 (4th Edition, as amended).

15.2 Chemical Safety Assessment

Not conducted.

Section 16: Other Information

16.1 Full Text of Hazard Statements

Code	Statement
EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child via inhalation.
H362	May cause harm to breast-fed children.
H371	May cause damage to organs (optic nerve / central nervous system).
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.2 Summary of Revisions

Rev 2.5 changes (27 June 2026): (1) Section 2.1 — classification updated to GB CLP (SI 2019/720); 'EC 1272/2008' reference removed. (2) Sections 2.1 & 15 — references updated from EC Regulations to GB retained law (SI 2019/720; SI 2019/758). (3) Section 3 — column header updated to 'UK REACH Reg. No.'; UK REACH transitional provisions noted. (4) Section 8 — WELs updated to reference HSE EH40 (GB) with TWA/STEL values where applicable. (5) Section 9 — Flash point confirmed or noted for supplier confirmation where previously absent. (6) Section 14 — transport table expanded to include ADR/RID, IMDG and IATA columns. (7) Section 15 — rewritten to reference UK/GB legislation only; all EU regulation references removed. (8) CHIP Regulations references removed (revoked). (9) Emergency number — NPIS 24/7 out-of-hours line added. (10) Date updated to 27 June 2026; Revision Number updated to 2.5.

16.3 Abbreviations

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service. COSHH: Control of Substances Hazardous to Health. DNEL: Derived No-Effect Level. EC50: Effective Concentration, 50%. GHS: Globally Harmonised System of Classification and Labelling of Chemicals. HSE EH40: HSE Guidance Note EH40 on Occupational Exposure Limits (4th Edition, as amended). IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods Code. LC50: Lethal Concentration, 50%. LD50: Lethal Dose, 50%. LL50: Similar to LC50 but tests the water phase from incompletely miscible materials. EL50: Similar to EC50 but tests the water phase from incompletely miscible materials. N/A: Not applicable. ND: Not determined. NR: Not regulated. PBT: Persistent, Bioaccumulative, Toxic. PNEC: Predicted No-Effect Concentration. RID: Regulations 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: SI 2019/758 (retained EU law). vPvB: Very Persistent and Very Bioaccumulative. WEL: Workplace Exposure Limit.

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. Prepared in accordance with UK REACH (SI 2019/758) and GB CLP (SI 2019/720) Regulations.

Note: This Safety Data Sheet does not constitute a user's assessment of workplace risk as required by the Health & Safety at Work Act, COSHH, Management of Health and Safety at Work Regulations or other health and safety legislation.