

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

Product Name: Speed Thinners
Description: A paint thinner containing White Spirit.

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. 3 — H226
Aspiration hazard, Cat. 1 — H304
STOT — Single Exposure, Cat. 3 — H336
STOT — Repeated Exposure, Cat. 1 — H372
Hazardous to the aquatic environment — Chronic, Cat. 1 — H411

2.2 Label Elements

Signal Word: DANGER
Contains: White Spirit (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics 2-25%)

Hazard Statements:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H372 Causes damage to the central nervous system through prolonged or repeated exposure if inhaled.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary Statements:

P102 Keep out of reach of children.
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.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a Poison Centre if you feel unwell.
P331 Do NOT induce vomiting.
P370+P378 In case of fire: Use fog, foam, dry chemical or Carbon Dioxide to extinguish.
P391 Collect spillage.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents as hazardous waste.

2.3 Other Hazards

This product may be harmful in contact with skin or if inhaled. Vapours are flammable.

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)
White Spirit (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics 2-25%)	64742-82-1	919-446-0	Notification pending (UK REACH transitional provisions apply)	100%	H226, H304, H336, H372, H411

Section 4: First-Aid Measures

4.1 Description of First-Aid Measures

Inhalation: Remove from further exposure. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation.

Skin Contact: Wash contact areas with soap and water. Remove contaminated clothing.

Eye Contact: Flush thoroughly with water. If irritation persists, get medical assistance.

Ingestion: Seek immediate medical attention. Do NOT induce vomiting. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis.

4.2 Most Important Symptoms and Effects

Inhalation: drowsiness, dizziness. Ingestion: aspiration hazard, chemical pneumonitis. Skin: irritation, redness, dermatitis on prolonged contact. 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: Water fog, foam, dry chemical or Carbon Dioxide. Do not use water in a jet.

Unsuitable: Water jets.

5.2 Special Hazards

Vapour is flammable and heavier than air. Vapour may travel and reach remote ignition sources causing flashback fire danger.

Combustion products: Smoke, fumes, incomplete combustion products, oxides of carbon.

5.3 Advice for Firefighters

PPE: Standard protective equipment; self-contained breathing apparatus (SCBA) in enclosed spaces.

Environmental: Keep run-off water out of sewers and water sources.

Procedures: Evacuate area. Prevent run-off from fire control from entering streams, sewers or drinking water supply.

Section 6: Accidental Release Measures

6.1 Personal Precautions

Avoid contact with spilled material. Warn/evacuate occupants in surrounding and downwind areas if required.

6.2 Environmental Precautions

Do not allow to enter surface water or sewer system.

6.3 Methods and Material for Containment and Clean-Up

Eliminate all ignition sources. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Ground all equipment.

6.4 Reference to Other Sections

See Sections 8 and 13.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Avoid contact with skin. Potentially toxic/irritating fumes may be evolved from heated material. Use with adequate ventilation. Prevent spills. Ground and bond containers against static.

7.2 Conditions for Safe Storage

Store in cool, well-ventilated area. Keep container tightly closed. Earth and bond fixed storage containers. Suitable containers: carbon steel, stainless steel, polyethylene, polypropylene, polyester or PTFE.

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)
White Spirit (C9-C12 hydrocarbons)	—	300 (inhalable)	—	—

8.2 Exposure Controls

Adequate ventilation to ensure WELs are not exceeded. Half-face filter respirator Type A filter (EN 136/140/405) where required. Nitrile chemical-resistant gloves (EN 420/374). Safety glasses with side shields. Chemical/oil-resistant clothing.

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, pungent
Boiling point	151–200°C @ 1 atm
Melting point	<–45°C @ 1 atm
Flash point	38.5°C (closed cup) — consistent with H226 classification
Auto-ignition temperature	>200°C @ 1 atm
Flammable limits (LEL/UEL)	0.6% / 0.7%
Density	0.775 g/cm ³ @ 15°C

Vapour pressure	0.231 kPa @ STP
Viscosity	1.2 mm ² /s @ STP
Surface tension	24.7 mN/m @ 25°C
Solubility in water	Insoluble

9.2 Other Information

No additional data available.

Section 10: Stability and Reactivity

10.1 Reactivity:	Heat, sparks, open flames and other 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, sparks, open flames and other ignition sources.
10.5 Incompatible Materials:	Strong oxidising agents.
10.6 Hazardous Decomposition Products:	Does not decompose under normal conditions.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects

General:	Prolonged exposure may cause damage to the central nervous system.
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. Prolonged exposure may damage CNS.
Ingestion:	May cause nausea and vomiting. Ingesting large quantities may lead to kidney failure. Acute Oral LD50: >15,000 mg/kg (Rat) Acute Dermal LD50: >4 ml/kg (Rat) Acute Inhalation LC50: >13.1 mg/l (Rat)

11.2 Other Hazards

None known.

Section 12: Ecological Information

12.1 Toxicity

Classified as hazardous to the aquatic environment. Rainbow Trout LL50 (96h): 2.5 mg/l | Daphnia magna EL50 (48h): 1.4 mg/l | Algae EC50 (72h): 1.3 mg/l

12.2 Persistence and Degradability

Readily biodegradable. Biodegrades 74.7% in 28 days.

12.3 Bioaccumulative Potential

Readily evaporates; bioaccumulation study not feasible.

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

Suitable for burning in enclosed controlled burner or supervised incineration. Dispose of as hazardous waste via a licensed contractor in accordance with local authority requirements.

Section 14: Transport Information

Parameter	ADR/RID (Road/Rail)	IMDG (Sea)	IATA (Air)
UN Number	1300	1300	1300
Proper Shipping Name	Turpentine Substitute	Turpentine Substitute	Turpentine Substitute
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.