



Polybond Syn Oxide

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

1.1 Product Identifier

Product Name: Polybond Q19
Product Description: A two part epoxy polyamide resin paint dispersed in water.

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: Eye Irr. 2 — H319; Skin Irr. 2 — H315

Human Health:

The product causes serious eye and skin irritation.

Physical and Chemical Hazards:

None. (Although Isopropanol is listed as flammable, this is not evident at the concentrations present in Q19 — less than 3%.)

Environmental Hazards:

Not classified as hazardous to the environment.

2.2 Label Elements

Signal Word: WARNING
Contains: Isopropanol; Linseed oil polymer w bis.A, bis.A diglycidyl ether, diethylenetriamine, formaldehyde, glycidyl Ph ether and pentaethylenehexamine

Hazard Statements:

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.

Precautionary Statements:

- 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

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

See table below. Note: although Isopropanol is listed as flammable, this is not evident at concentrations present in Q19 (<3%). All concentrations are expressed as weight/weight %.

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 %.



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Hazardous Ingredient	CAS No.	EC No.	UK REACH Reg. No.	Conc. (% w/w)	Classification (GB CLP)
Isopropanol	67-63-0	200-661-7	Notification pending (UK REACH transitional provisions apply)	<3%	H225, H319, H336
Linseed oil, polymer w bis.A, bis.A diglycidyl ether, diethylenetriamine, formaldehyde, glycidyl Ph ether and pentaethylenehexamine	68915-81-1	—	Notification pending (UK REACH transitional provisions apply)	<10%	H315, H318

Section 4: First-Aid Measures

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: Not usually considered to be harmful by inhalation. If symptoms arise, 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: Flood skin with large quantities of water whilst removing contaminated clothing. The product may remain trapped under clothing, footwear or a wristwatch. Seek medical attention.

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

Ingestion: Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this SDS to the physician. Keep person warm and at rest. Seek medical attention immediately.

4.2 Most Important Symptoms and Effects (Acute and Delayed)

Inhalation:	No known symptoms under normal use conditions.
Skin Contact:	Prolonged or repeated contact may cause irritation, redness, dry skin, cracking and dermatitis.
Eye Contact:	Irritation or pain, lacrimation and redness of the eye tissue.
Ingestion:	May cause gastric and intestinal problems.

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:	Carbon dioxide, dry chemical, powder or water fog.
Unsuitable Media:	Water jets (unless stated otherwise above).
5.2 Special Hazards:	In a fire or if heated, a pressure increase may burst containers. Not flammable under normal use conditions.
Combustion Products:	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. 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 clothing suitable for handling this product (see Section 8). Avoid contact with skin and eyes. Restrict access to authorised personnel.

6.2 Environmental Precautions

Do not allow to enter surface water or sewer system. If product enters drains, inform the Environment Agency.

6.3 Methods and Materials for Containment and Clean Up

Ventilate well. Absorb in vermiculite, dry sand or earth and place in containers. Dispose of in accordance with local legislation.

6.4 Reference to Other Sections:	See Sections 8 and 13.
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Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Avoid creating dusty conditions. Do not eat, drink or smoke when using. Wear suitable gloves and eye/face protection. Wash out equipment after use. 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. Keep containers tightly closed. Reseal open packages. Keep away from oxidising substances.

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)

Substance	CAS No.	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Isopropanol (IPA)	67-63-0	400	999	500	1250

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 such that WELs per HSE EH40 are not exceeded. Local Exhaust Ventilation is preferable to personal protective equipment. Butyl rubber gloves (at least 0.5 mm thick), goggles, protective overalls and chemically resistant safety shoes. Provide eyewash station and safety shower.

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:	Emulsion paint
Odour:	Faint, sweet
Flash Point:	Not applicable under normal conditions. Product classified as non-flammable (H226 does not apply). If required for insurance/storage risk assessment: estimated >60°C. Supplier confirmation recommended.
Density:	approx. 1.35 g/cm ³ @ STP
Solubility in Water:	Miscible with water
VOC Content:	No data available
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:	None identified under normal storage conditions.
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:	None identified under normal storage conditions.
10.5 Incompatible Materials:	Strong oxidising agents, strong acids.
10.6 Hazardous Decomposition Products:	Does not decompose under normal conditions. When burned, produces oxides of carbon and nitrogen.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects



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Skin Contact:	Prolonged or repeated contact causes irritation which may lead to dermatitis or skin cracking.
Eye Contact:	May cause irritation.
Inhalation:	Not known to be harmful by inhalation. Does not produce vapours at STP.
Ingestion:	May cause nausea and vomiting. Ingesting large quantities may lead to kidney failure.

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**

Q19 is not considered to be dangerous to the environment or toxic to aquatic life. 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.
12.6 Endocrine Disrupting Properties:	None known.
12.7 Other Adverse Effects:	None identified.

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

Hazardous waste (EWC Code: 08 01 11*). Contact specialist disposal companies. Dispose of in accordance with local authority requirements. Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

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
H225	Highly flammable liquid and vapour (ingredient-level, not product-level).
H315	Causes skin irritation.
H318	Causes serious eye damage (ingredient-level).
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness (ingredient-level).

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.



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SAFETY DATA SHEET

Date of Issue: 27 June 2026 Revision Number: 2.5

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- Section 8: HSE EH40 WEL table added for Isopropanol.
- Section 9: Flash point status clarified for non-flammable water-based product.
- Section 14: Transport table confirms not regulated; expanded ADR/RID, IMDG, IATA format added.
- Section 15: Rewritten to reference UK/GB legislation only; all EU Regulation references removed.
- Section 16: CHIP Regulations reference removed.
- 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.
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