



SAFETY DATA SHEET

Polybond Chlorinated Rubber

Date of Issue: 16 November 2025

Revision Number: 4.0

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

1.1 Product Identifier

- **Product Name:** Polybond Chlorinated Rubber
- **Product Description:** A Chlorinated Rubber paint containing plasticiser and inert pigments
- **Other Identifiers:** Not applicable

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

- **Identified Uses:** Protective coating for industrial and marine surfaces (e.g., concrete, metal).
- **Uses Advised Against:** Not for domestic use or non-industrial applications.

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 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 Regulation (EC) No 1272/2008 [CLP]:

HAZARD CLASS	CATEGORY	H - CODE
Flammable liquids	3	H226
Acute toxicity – dermal	4	H312
Acute toxicity – inhalation	4	H332
Reproductive toxicity – effects on or via lactation	-	H362
Hazardous to the aquatic environment – Acute	1	H400
Hazardous to the aquatic environment – Chronic	1	H410

Supplemental hazard information:

EUH066 – Repeated exposure may cause skin dryness or cracking.

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Signal word: Danger

Hazard pictograms: GHS02, GHS07, GHS09

Hazard statements:

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H362 May cause harm to breast-fed children.

H410 Very toxic to aquatic life with long lasting effects.

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 and bond container and receiving equipment.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P310 IF SWALLOWED: Immediately call a doctor.
- P331 Do NOT induce vomiting.

Contains: Xylene, Chlorinated Paraffins

2.3 Other hazards

- The product may be harmful in contact with skin or if inhaled. This product may cause harm to breast-fed children. Vapours are flammable.

Section 3: Composition/Information on Ingredients

3.2 Mixtures

Hazardous Ingredients:

Chemical Name	CAS No.	EC No.	REACH Registration No.	Conc. (% w/w)	Classification (CLP)
Xylene	1330-20-7	215-535-7	01-2119488 216-32-XXX X	60-70	Flam. Liq. 3 H226; Acute Tox. 4 H312, H332; Skin Irrit. 2 H315
Chlorinated Paraffins	8553 5-85-9	287-477-0	01-2120763 761-73-XXX X	10-12	Acute Tox. 4 H312, H332; Lact. H362

Full text of hazard statements in Section 16.

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 contaminated clothing. Rest and keep under observation. Plan first aid actions before work. Inhalation: Move to fresh air, keep at rest. If breathing is difficult, give oxygen or assisted ventilation. If unconscious, recovery position. CPR if no pulse. Seek medical attention.

Skin contact: Flood with soap and water for ≥15 min while removing clothing. Check under clothing/footwear/watch. Seek medical attention.

Eye contact: Remove contacts. Rinse with water ≥15 min, lifting lids. Seek medical attention if irritation persists.

Ingestion: Do NOT induce vomiting. Lean forward if vomiting. Rinse mouth, drink water. No milk/alcohol. Nothing by mouth if unconscious. Keep warm/rest. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Drowsiness, dizziness, throat/respiratory irritation.

Ingestion: Nausea, vomiting.

Skin: Irritation, redness, dryness, dermatitis.

Eyes: Irritation, pain, lacrimation, redness.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Show SDS to a physician.

Section 5: Firefighting Measures

5.1 Extinguishing Media

- **Suitable:** Large fire – water spray/fog/foam. Small fire – CO₂, dry chemical, powder, sand, foam.
- **Unsuitable:** Water jets (may spread residues).

5.2 Special Hazards Arising from the Substance or Mixture

- Pressure increase may burst containers. Vapours heavier than air, spread on ground. Combustion: CO_x, smoke, HCl possible.

5.3 Advice for Firefighters

- Self-contained breathing apparatus, full protective clothing. Keep runoff from sewers/water. Dike if needed. Stay upwind, evacuate, move containers if safe. Use water spray for vapours.
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Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

- PPE: gloves, goggles, respirator, clothing. No smoking/ignition. Restrict access. Stay upwind.
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6.2 Environmental Precautions

- Prevent entry to surface water/sewers.

6.3 Methods and Material for Containment and Cleaning Up

- Ventilate, stop leak if safe, remove ignition. Absorb in vermiculite/sand/earth, containerise. Dispose per local rules.

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 dust/wind dispersal. No eating/drinking/smoking. PPE (Section 8). Wash after use, remove contaminated clothing. Emergency eyewash/shower.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

- Dry, ventilated. Tightly closed. Away from oxidisers.

7.3 Specific End Use(s)

- Paint/coating application.
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Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

- **DNELs (Workers, Systemic):**

Ingredient	Inhalation (mg/m ³ , Chronic)	Dermal (mg/kg bw/day, Chronic)	Oral (mg/kg bw/day, Chronic)
Xylene	289	180	-
Chlorinated Paraffins	6.7	28.75	-

- **PNECs:**

Ingredient	Freshwater (mg/L)	Marine Water (mg/L)	Sediment (Freshwater, mg/kg)	Soil (mg/kg)
Xylene	0.327	0.327	6.58	2.31
Chlorinated Paraffins	1	0.2	80	2.31

8.2 Exposure Controls

- Ventilation (local exhaust preferred). PPE: Butyl rubber gloves ≥ 0.5 mm, goggles, overalls, respirator, safety shoes. Eyewash/shower. Avoid prolonged skin contact. Wash hands before breaks/toilet. Contaminated clothing in a closed container.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

- **Appearance:** Opaque liquid
- **Odour:** Aromatic
- **Boiling point:** $>138^{\circ}\text{C}$
- **Flash point:** 31°C
- **Density:** 0.93 g/cm^3 @ STP
- **Vapour density:** Unknown
- **Solubility:** Immiscible with water
- **VOC:** No data

9.2 Other Information

- No additional data available.

Section 10: Stability and Reactivity

10.1 Reactivity

- Flammable.

10.2 Chemical Stability

- Stable under normal conditions.

10.3 Possibility of Hazardous Reactions

- None known.

10.4 Conditions to Avoid

- Heat, flames, ignition sources.

10.5 Incompatible Materials

- Oxidising agents.

10.6 Hazardous Decomposition Products

- CO_x, water on heating. HCl possible.
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Section 11: Toxicological Information

11.1 Information on Toxicological Effects

- **Acute toxicity:** Harmful dermal/inhalation.
- **Xylene:** LD50 oral rat 3523 mg/kg, dermal rabbit >4200 mg/kg, LC50 inh rat 6700 ppm.
- **Chlorinated Paraffins:** LD50 oral rat >4000 mg/kg, dermal rabbit >10 ml/kg, LC50 inh rabbit >48.17 mg/l.
- **Skin:** Irritation, dermatitis.
- **Eyes:** Irritation.
- **Inhalation:** Respiratory irritation, coughing.
- **Ingestion:** Nausea, vomiting, possible kidney failure.
- **Lactation:** H362.

11.2 Information on other hazards

None.

Section 12: Ecological Information

12.1 Toxicity

- Very toxic to aquatic life with long lasting effects.

- **Xylene:** LC50 fish 2.6 mg/l (96h), EC50 daphnia 1 mg/l (24h), EC50 algae 4.36 mg/l (73h).
- **Chlorinated Paraffins:** LC50 fish >5000 mg/l (96h), EC50 daphnia 0.0059 mg/l (48h), EC50 algae >3.2 mg/l (96h).

12.2 Persistence and degradability

- No data.

12.3 Bioaccumulative potential

- No data.

12.4 Mobility in soil

- No data.

12.5 Results of PBT and vPvB assessment

- Not PBT/vPvB.

12.6 Endocrine disrupting properties

- None known.

12.7 Other adverse effects

- None.

Section 13: Disposal Considerations

13.1 Waste Treatment Methods

- **Classification:** Hazardous waste (EWC Code: 08 01 11* – Waste paint containing organic solvents or other hazardous substances).
- **Disposal:** Contact licensed hazardous waste disposal companies. Absorb residues in vermiculite or dry sand and dispose at a licensed facility. Comply with local authority requirements. Prevent runoff into sewers or watercourses.

Section 14: Transport Information

14.1–14.7 Transport Information

- **UN Number:** 1263
- **Proper Name:** PAINT RELATED MATERIAL
- **Transport Hazard Class:** 3 (ADR/RID/ADN/IMDG)
- **Packing Group:** III
- **Environmental Hazards:** Yes
- **Special precautions:** EMS F-E, S-E; Hazard ID 30; Tunnel (D/E)

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- REACH (EC) 1907/2006, CLP (EC) 1272/2008, COSHH 2002, CDG 2009.

15.2 Chemical safety assessment

- Not conducted.
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Section 16: Other Information

16.1 Full Text of Hazard Statements

- H226 Flammable liquid and vapour.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.
- H362 May cause harm to breast-fed children.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

16.2 Abbreviations

- **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.
- **LC50**: Lethal Concentration, 50%.
- **LD50**: Lethal Dose, 50%.
- **PBT**: Persistent, Bioaccumulative, Toxic.
- **PNEC**: Predicted No-Effect Concentration.
- **REACH**: Registration, Evaluation, Authorisation, and Restriction of Chemicals.
- **STEL**: Short-Term Exposure Limit.
- **STP**: Standard Temperature and Pressure (25°C, 1 atm).
- **TWA**: Time-Weighted Average.
- **vPvB**: Very Persistent and Very Bioaccumulative.
- **WEL**: Workplace Exposure Limit.

Revision date: November 2025

Disclaimer: Information for health/safety of users. No liability for errors/omissions. Does not replace workplace risk assessment.