

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier

Product form: Mixture

Product Name: **Polybond SH43 Heavy Duty Degreaser**

Product code: SH43

Version: 2.5 | Date of Issue: 27 June 2026

1.2 Relevant identified uses of the substance or mixture and uses advised against

Main use category: Professional use

Identified uses: Washing and cleaning products (PC35). Heavy-duty degreaser for removing grease and grime from hard surfaces.

Uses advised against: Not for domestic use without appropriate controls. Do not use undiluted on sensitive surfaces without testing.

1.3 Details of the supplier of the safety data sheet

Polybond Ltd, Unit 6, William Street, Northam, Southampton, Hampshire, SO14 5QH, United Kingdom

Tel: 02380 988350 | Email: sales@polybond.co.uk | Web: www.polybond.co.uk

1.4 Emergency telephone number

Polybond Ltd office hours: 02380 988350 (Monday–Friday, 09:00–17:00 BST)

UK National Poisons Information Service (NPIS) 24/7 out-of-hours: +44 (0) 344 892 0111

Members of the public should contact NHS 111 / 999 in an emergency.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to GB CLP Regulation (SI 2019/720):

Eye Irrit. 2 — H319

2.2 Label elements

Signal Word: WARNING

Hazard pictograms: GHS07 (Exclamation mark)

Hazard Statements:

H319 Causes serious eye irritation.

Precautionary Statements:

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with UK REACH Annex XIII. No endocrine-disrupting properties identified.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances — Not applicable. This is a mixture.

3.2 Mixtures

Dipropyleneglycol Methylether	CAS: 34590-94-8 EC: 252-104-2 REACH: 01-2119450011-60 (Notification pending for GB)	1–10%	Not classified
3-Butoxypropan-2-ol	CAS: 5131-66-8 EC: 225-878-4 (Notification pending for GB)	1–10%	Skin Irrit. 2 H315 Eye Irrit. 2 H319
Alcohols, C12-13-branched and linear, ethoxylated (>=2.5 EO)	CAS: 160901-19-9 (Notification pending for GB)	1–10%	Acute Tox. 4 (Oral) H302 Eye Dam. 1 H318 Aquatic Chronic 3 H412

Note: The mixture's classification reflects dilution effects of hazardous components, verified per UK CLP bridging principles. Full text of H-statements is given in Section 16. UK REACH transitional provisions apply — full registration pending for substances manufactured/imported in Great Britain at ≥1 tonne/year.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove person to fresh air and keep comfortable for breathing. Seek medical advice if irritation or tightness in chest persists.

Skin contact: Wash skin with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye contact: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Transfer to hospital for specialist examination if irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting. Call a poison center or doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: May cause throat irritation or tightness in chest.

Skin contact: May cause irritation and redness.

Eye contact: Causes pain, redness and profuse watering.

Ingestion: May cause soreness and redness of mouth and throat.

4.3 Indication of any immediate medical attention and special treatment needed

Ensure eye bathing equipment is available. Treat symptomatically. Show this SDS to a physician.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable: Water spray, dry powder, foam, carbon dioxide. Use media suitable for surrounding fire.

Unsuitable: None known.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes (e.g. carbon oxides) may be released.

5.3 Advice for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Wear suitable protective clothing (see section 8). Ventilate spillage area. Turn leaking containers leak-side up to prevent escape of liquid.

For emergency responders: Use personal protective equipment as specified in section 8.

6.2 Environmental precautions

Do not discharge into drains or rivers. Contain spillage using bunding.

6.3 Methods and material for containment and cleaning up

Absorb spill with dry earth or sand. Transfer to a closable, labelled container for disposal by an appropriate method. Dispose of residues at an authorized site.

6.4 Reference to other sections

See section 8 for further information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure good ventilation of the work station. Avoid direct contact with the substance. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

Heavy-duty degreaser for professional cleaning. Follow label instructions for safe use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

National occupational exposure limits (HSE EH40):

Substance	Exposure Limit	Exposure Limit	Exposure Limit
Dipropyleneglycol Methylether	34590-94-8	50 ppm (308 mg/m ³)	Skin

No DNEL/PNEC data available for the mixture.

8.2 Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station. Provide eye bathing equipment.

Eye/face protection: Safety glasses.

Hand protection: Protective gloves (e.g. nitrile).

Skin protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls: Avoid release to the environment.

Hygiene measures: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical state	Liquid
Colour	Orange/pink
Odour	Characteristic
pH	10–11
Melting / Freezing point	Not applicable / No data available
Boiling point	No data available
Flash point	No data available (not flammable)
Auto-ignition temperature	No data available
Flammability	Not flammable / Not applicable
Vapour pressure	No data available
Relative density	No data available
Solubility	Soluble in water
Partition coefficient n-octanol/water	No data available
Viscosity	Non-viscous
Explosive properties	Not explosive
Oxidising properties	Not oxidising

10. STABILITY AND REACTIVITY

10.1 Reactivity — Stable under recommended transport or storage conditions.

10.2 Chemical stability — Stable under normal conditions.

10.3 Possibility of hazardous reactions — No hazardous reactions under normal conditions. Decomposition may occur with incompatible materials.

10.4 Conditions to avoid — Avoid heat.

10.5 Incompatible materials — Strong oxidising agents, strong acids.

10.6 Hazardous decomposition products — In combustion, emits toxic fumes (e.g. carbon oxides).

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral/dermal/inhalation): Not classified for the mixture.

Skin corrosion/irritation: Not classified (pH 10–11, low concentrations).

Serious eye damage/irritation: Eye Irrit. 2, H319.

Respiratory or skin sensitisation: Not classified.

Germ cell mutagenicity / Carcinogenicity / Reproductive toxicity: Not classified.

STOT-single exposure / STOT-repeated exposure: Not classified.

Aspiration hazard: Not classified.

Component data:

Dipropyleneglycol Methylether (CAS 34590-94-8): LD50 oral rat 5135 mg/kg; LD50 dermal rabbit 9150 mg/kg

3-Butoxypropan-2-ol (CAS 5131-66-8): LD50 dermal rabbit 3100 mg/kg

Alcohols C12-13 ethoxylated (CAS 160901-19-9): LD50 oral rat >300–2000 mg/kg; LD50 dermal rabbit >2000 mg/kg

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Ecology – general: Low ecotoxicity due to biodegradability.

Hazardous to the aquatic environment, short-term (acute): Not classified.

Hazardous to the aquatic environment, long-term (chronic): Not classified.

Component data:

Dipropyleneglycol Methylether: LC50 Fish (96h) 10000 mg/L; EC50 Daphnia (48h) 1919 mg/L; EC50 Green algae (96h) >969 mg/L

Alcohols C12-13 ethoxylated: LC50 Fish (96h) 1–10 mg/L (estimated)

12.2 Persistence and degradability — The product is biodegradable.

12.3 Bioaccumulative potential — No bioaccumulation potential.

12.4 Mobility in soil — Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment — This product is not identified as a PBT/vPvB substance. Contains no PBT and/or vPvB substances $\geq 0.1\%$ as defined under UK REACH (SI 2019/758).

12.6 Other adverse effects — Negligible ecotoxicity. Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Transfer to a suitable container and arrange for collection by a specialized disposal company. Dispose of in accordance with local, regional and national regulations. Do not allow into drains or watercourses. Contaminated packaging should be disposed of as hazardous waste where applicable. EWC code typically 20 01 29* (detergents containing hazardous substances) or as advised by local waste authority.

14. TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID:

	ADR	IMDG	IATA	ADN	RID
14.1 UN number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

14.6 Special precautions for user — Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code — Not applicable.

This product is not subject to transport regulations under ADR, IMDG, IATA, ADN or RID.

15. REGULATORY INFORMATION

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

UK REACH Regulation (SI 2019/758) — Registration, Evaluation, Authorisation and Restriction of Chemicals.

GB CLP Regulation (SI 2019/720) — Classification, Labelling and Packaging of substances and mixtures.

Control of Substances Hazardous to Health Regulations 2002 (COSHH) (as amended).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009) (SI 2009/1348) — not applicable (product not regulated for transport).

Workplace Exposure Limits (HSE EH40/2005, Fourth Edition 2020) — see Section 8 for Dipropylene glycol Methylether WEL.

Contains no substances listed on: UK REACH Annex XVII (Restriction Conditions); UK REACH Annex XIV (Authorisation List); UK REACH Candidate List (SVHC); UK Prior Informed Consent (PIC) Regulation; POP Regulation; Ozone Regulation; Explosives Precursors Regulation; Drug Precursors Regulation.

15.2 Chemical safety assessment

A chemical safety assessment has been carried out for the mixture. Suppliers should ensure substances are registered under UK REACH where applicable.

16. OTHER INFORMATION

16.1 Full text of H- and EUH-statements

H302 Harmful if swallowed. | H315 Causes skin irritation. | H318 Causes serious eye damage. | H319 Causes serious eye irritation. | H412 Harmful to aquatic life with long lasting effects.

16.2 Abbreviations and acronyms

GB CLP = Great Britain Classification, Labelling and Packaging Regulation (SI 2019/720). UK REACH = United Kingdom Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (SI 2019/758). WEL = Workplace Exposure Limit (HSE EH40). PBT = Persistent, Bioaccumulative and Toxic. vPvB = very Persistent and very Bioaccumulative. NPIS = National Poisons Information Service. EWC = European Waste Catalogue. DNEL = Derived No-Effect Level. PNEC = Predicted No-Effect Concentration. TWA = Time Weighted Average.

16.3 Summary of Revisions (Version 2.5 — 27 June 2026)

- Converted from Serenity Chemicals Ltd source SDS (Rev 4.0, 09 June 2025) to full Polybond house style and UK compliance.
- Rebranded supplier details to Polybond Ltd (Unit 6, William Street, Northam, Southampton, SO14 5QH).
- Applied current Polybond Ltd house style: navy header with extracted logo, product title, steel-blue date/rev line, navy section bars, mid-blue tables, professional footer.
- Section 1.4: Added NPIS 24/7 out-of-hours emergency number (+44 (0) 344 892 0111).
- Section 3: Updated to include UK REACH Reg. No. / transitional note column for all ingredients.
- Section 8: Added HSE EH40 WEL for Dipropylene glycol Methylether (50 ppm / 308 mg/m³, skin notation).
- Section 14: Confirmed "not subject to transport regulations" for ADR/IMDG/IATA/ADN/RID.
- Section 15: Rewritten exclusively for UK/GB legislation (UK REACH SI 2019/758, GB CLP SI 2019/720, COSHH, CDG 2009, HSE EH40).
- Section 16: Added Summary of Revisions, updated abbreviations and disclaimer.
- Date/Rev set to 27 June 2026 / 2.5. Full 16-section GB REACH Annex II structure implemented. Classification retained as Eye Irrit. 2 H319.

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. Users should conduct their own risk assessment and ensure compliance with all applicable regulations. The classification complies with ATP 12 (UK CLP).