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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Product: Polyether Polyol (PPG)	**Revision date:** 2026-10-29	**Version:** 1.0	**Brand:** Richest

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product name	Polypropylene glycol (Polyether Polyol PPG-3000)
Synonyms	Polypropylene glycol; Polyether polyol; PPG
CAS No.	25322-69-4
EC No.	500-039-8
Molecular formula	(C3H6O)n
Molecular weight	Not applicable (polymer)
Relevant identified uses	Polyurethane foams, elastomers, adhesives and sealants; defoamers; lubricants; surfactant intermediates
Uses advised against	None
Company	Richest Group Ltd.
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SECTION 2: Hazards identification

GHS Classification	Not classified (not a hazardous substance or mixture)
Pictogram(s)	None
Signal word	None
Hazard statement(s)	None
Precautionary statement(s)	None

Other hazards	Combustible. Forms explosive mixtures with air on intense heating.

SECTION 3: Composition/information on ingredients

Component	Polypropylene glycol
CAS No.	25322-69-4
EC No.	500-039-8
Classification	Not classified
Concentration (%)	≤100 %

SECTION 4: First aid measures

If inhaled	Remove person to fresh air.
In case of skin contact	Take off contaminated clothing. Rinse skin with water/shower.
In case of eye contact	Rinse out with plenty of water. Remove contact lenses.
If swallowed	Make victim drink water (two glasses at most). Consult a doctor if feeling unwell.
Most important symptoms and effects	The most important known symptoms and effects are described in section 2.2 and section 11.
Indication of any immediate medical attention	Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media	Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO2)
Unsuitable extinguishing media	None
Special hazards arising from the chemical	Carbon oxides. Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating.
Advice for firefighters	In the event of fire, wear self-contained breathing apparatus. Prevent fire extinguishing water from contaminating surface water or the groundwater system.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency	Do not breathe vapors/aerosols. Evacuate the danger area, observe emergency procedures, consult an expert.

procedures	
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

SECTION 7: Handling and storage

Precautions for safe handling	Observe good industrial hygiene practice. Avoid contact with eyes and prolonged skin contact.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Storage class (TRGS 510): 10 (combustible liquids).

SECTION 8: Exposure controls/personal protection

Occupational exposure limit values	Contains no substances with occupational exposure limit values
Biological limit values	None established.
Appropriate engineering controls	Change contaminated clothing. Wash hands after working with substance.
Eye/face protection	Safety glasses (tested and approved under NIOSH (US) or EN 166(EU))
Skin protection	Handle with chemical-resistant gloves (e.g. nitrile rubber)
Body protection	Protective clothing
Respiratory protection	Not required under normal conditions
Thermal hazards	None known.

SECTION 9: Physical and chemical properties

Physical state	Liquid
Colour	Colorless to light yellow
Odour	Nearly odourless
Melting point / freezing point	< -150 °C (OECD Test Guideline 102)
Boiling point or initial boiling point and boiling range	287.6 °C (OECD Test Guideline 103)
Flammability	Combustible (flash point 184 °C)
Lower and upper explosion limit / flammability limit	Not applicable (high-boiling liquid)

Flash point	184 °C - closed cup
Auto-ignition temperature	305 °C
Decomposition temperature	No data available
pH	ca. 5-7 (1 % aqueous solution)
Kinematic viscosity	ca. 78 mm2/s at 20 °C (dynamic viscosity: 78.34 mPa.s at 20 °C)
Solubility	Practically insoluble in water; soluble in ethanol, acetone and aromatic solvents
Partition coefficient n-octanol/water	log Pow: 0.3-0.9 at 23 °C
Vapour pressure	< 0.01 hPa at 20 °C
Density and/or relative density	1.00 g/ml at 20 °C (relative density 1.01)
Relative vapour density	Not applicable (negligible vapour pressure)
Particle characteristics	Not applicable (liquid)

SECTION 10: Stability and reactivity

Reactivity	Non-reactive under normal ambient conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Violent reactions possible with: strong oxidizing agents.
Conditions to avoid	Strong heating.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Carbon oxides (in the event of fire)

SECTION 11: Toxicological information

Acute toxicity - Oral / Inhalation / Dermal	LD50 Oral - Rat - > 2,000 mg/kg; LD50 Dermal - Rabbit - > 3,000 mg/kg
Skin corrosion/irritation	Rabbit - no skin irritation (24 h)
Serious eye damage/irritation	Rabbit - no eye irritation
Respiratory or skin sensitization	Mouse - does not cause skin sensitization (OECD Test Guideline 429)
Germ cell mutagenicity	Ames test - negative (OECD Test Guideline 471)
Carcinogenicity	Not classified (polymer; not listed by IARC/NTP).
Reproductive toxicity	Not classified (based on available data)

STOT - single exposure	None known.
STOT - repeated exposure	None known.
Aspiration hazard	Not expected to present an aspiration hazard.

SECTION 12: Ecological information

Toxicity to fish / daphnia / algae	Fish: LC50 - Danio rerio (zebrafish) - > 100 mg/l - 96 h; Daphnia: EC50 - Daphnia magna - 105.8 mg/l - 48 h; Algae: EC50 - Desmodesmus subspicatus - > 100 mg/l - 72 h
Persistence and degradability	Readily biodegradable (86.6 %, 28 d, OECD Test Guideline 301F)
Bioaccumulative potential	log Pow 0.3-0.9; low bioaccumulation potential.
Mobility in soil	Adsorbs to soil and sediment; low mobility.
Other adverse effects	None known.

SECTION 13: Disposal considerations

Product disposal methods	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of contaminated packaging in accordance with local regulations.

SECTION 14: Transport information

UN Number (ADR/RID, IMDG, IATA)	Not regulated as dangerous goods
UN Proper Shipping Name	Not dangerous goods (ADR/RID, IMDG, IATA)
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards (Marine pollutant)	No (not a marine pollutant)
Special precautions for user	None known.

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product	EC: Listed (500-039-8) / TSCA: Listed / IECSC: Listed

SECTION 16: Other information

Full text of H-Statements	None (not classified)
Revision date	2026-10-29
Version	1.0

Abbreviations and acronyms: CAS: Chemical Abstracts Service; EC: European Commission; EINECS: European Inventory of Existing Commercial Chemical Substances; ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road; RID: Regulation concerning the International Carriage of Dangerous Goods by Rail; IMDG: International Maritime Dangerous Goods; IATA: International Air Transport Association; TWA: Time Weighted Average; STEL: Short Term Exposure Limit; LD50: Lethal Dose 50%; LC50: Lethal Concentration 50%; EC50: Effective Concentration 50%; PBT: Persistent, Bioaccumulative and Toxic; vPvB: very Persistent and very Bioaccumulative; SDS: Safety Data Sheet.

References: ECHA - European Chemicals Agency, https://echa.europa.eu/; IPCS - International Chemical Safety Cards (ICSC), http://www.ilo.org/; HSDB - Hazardous Substances Data Bank; eChemPortal - OECD Global Portal to Information on Chemical Substances; ERG - Emergency Response Guidebook by U.S. DOT.

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