

DPG(Dipropylene Glycol)



Product Overview

Dipropylene Glycol Regular Grade (DPG) is used as a reactive intermediate in the manufacturing of high-performance unsaturated polyester resins, polyurethanes and plasticizers. DPG from Dow has great solvency, a low evaporation rate, low toxicity, high viscosity and low odor, making it a chemical intermediate of choice for many applications, including:

High-volume plasticizer

Reactant in unsaturated polyurethane resins, adding flexibility and hydrolytic stability
Initiator in urethane polyols, and as the polyol itself in some rigid polyurethane systems
Reactive diluents in radiation-cured resins and coatings, cutting viscosity and enabling easier application

Other effective uses of DPG are:

[Hydraulic brake fluid formulations](#)

[Cutting oils](#)

[Textile lubricants](#)

[Printing inks](#)

[Coatings](#)

[Industrial soaps](#)

[Solvents for agricultural chemicals such as insecticides](#)

Applications

[Urethanes](#)

[Paint and Coatings](#)

[Other Applications](#)

Packaging

DPG is available from Dow in various quantities. Please contact us for details on availabilities in your region

Physical Properties

| Physical Properties | Units | Dipropylene Glycol Regular Grade (DPG) |
|-------------------------|-----------------------|---|
| Chemical Name | - | Oxybispropanol |
| Formula | - | C ₆ H ₁₄ O ₃ |
| CAS Number ¹ | - | 25265-71-8 |
| EINECS Number | - | 246-770-3 |
| Molecular Weight | g/mol | 134.2 |
| Boiling Point | 760 mm Hg, °F | 450 |
| | 760 mm Hg, °C | 232.2 |
| Vapor Pressure | mm Hg, 77°F (25°C) | 0.016 |
| Evaporation Rate | (n-Butyl Acetate = 1) | 1.55E-03 |