



Product Data Sheet

Dipropylene glycol dimethyl ether (CAS: 111109-77-4)

Common Names: Progylme, Diprogylme

A polar aprotic diether with active solvency

Progylme is a highly polar aprotic (no hydroxyl functionality) solvent having an excellent toxicological profile.

Progylme has excellent chemical stability, and high solvency for polar coatings, organometallic reagents, agricultural formulations, and dyes.

Physical Properties

Empirical Formula		$C_8H_{18}O_3$
Molecular Weight		162.2
Boiling Point	(°C 760 mm Hg)	175
Freezing Point	(°C)	-71
Specific Gravity	(20°C)	0.90
Vapor Pressure	(mm Hg/ 20°C)	0.55
Volatility	(n-butylacetate = 100)	13
Viscosity	(cp 20°C)	1.1
Surface Tension	(dynes/cm 20°C)	27
Auto Ignition temp	(°C)	156
Heat of Vaporization	(J/gram)	257
Heat of Combustion	(kJ/g)	29
Flash Point	(°C, closed cup)	65
Refractive Index	(20°C)	1.408
Appearance		Clear, Colorless
Odor		Ethereal
Solubility at 25°C		
in water		35
water in		4.5

Inks

Strong solvency to formulate stable aqueous inks

Moderate boiling point for delivery to surface

Gives sharp characters with long-lasting color

Prevent nozzle plugging

Coatings and adhesives

- Replacement for NMP
- Coalescer and flow improver
- Stabilize aqueous/organic mixtures
- Enhanced package stability

Reaction solvent

- For the manufacture of drugs and API's
- For organometallic reactions, including Grignard reactions
- Acting as a polycarbonate swelling agent
- Solvent vehicle for intermediate and fine chemical synthesis

Cleaner and Stripper

- For electronics & other critical apps
- Paint stripping – blend with 1,3-dioxolane - reformulate away from methylene chloride

Features

- Aprotic
- High boiling point
- Water soluble
- High solvency characteristics
- Stabilize agricultural formulations
- Powerful diluent
- Excellent thermal and chemical stability
- Refer to MSDS for detailed handling and disposal information
- Use with proper PPE and engineering controls

Contact Novolyte Customer Service at 216-867-1050

novolytecustomer.service@novolyte.com; www.novolyte.com