



Product Data Sheet

4-Methyl-1,3-Dioxolane (CAS: 1072-47-5)

Common Names: Methyl Dioxolane, Propylene glycol methylene ether, Formaldehyde propylene acetal

A polar aprotic cyclic diether with active solvency – P-series for an even better tox profile.

4-Methyl-1,3-Dioxolane is a highly polar aprotic (no hydroxyl functionality) solvent, having low toxicity – it is a propylene glycol derivative. The moderate boiling point allows for controlled drying of coatings and inks.

Novolyte offers high purity (99.0%, (99.3% typical), low peroxide (5ppm max), and low moisture (300ppm max). Higher purity and low moisture versions are available.

Physical Properties

Empirical Formula		C ₄ H ₈ O ₂
Molecular Weight		88.1
Boiling Point	(°C 760 mm Hg)	82-85
Freezing Point	(°C)	-
Specific Gravity	(20°C)	0.983
Flash Point	(°C, closed cup)	-2
Refractive Index	(20°C)	1.398
Appearance		Clear, Colorless
Odor		Ethereal
Solubility at 25°C		
in water		5.5%
water in		8.0%

Process solvent

- For inks and dyes
- For adhesives and coatings

Reaction solvent

- At near pH 7
- Acting as a polycarbonate and other polar polymer swelling agent

Features

- Aprotic
- 10C higher boiling point than 1,3-dioxane
- Water soluble
- High solvency characteristics
- Powerful diluent
- Friendly tox profile
- Refer to MSDS for detailed handling and disposal information
- Use with proper PPE and engineering controls

Contact information: Novolyte Customer Service 216-867-1050
www.customerservice@novolyte.com www.novolyte.com