

Technical Data Sheet

MPG

Mono Propylene Glycol(Industrial)

Propylene Glycol (MPG), known also by the systematic name propane-1,2-diol, is an organic compound (a diol alcohol) that is usually a tasteless, odorless and colorless clear oily liquid. It is hygroscopic and miscible with water, acetone and chloroform.

Applications:

The major end use for MPG is as a raw material in the manufacturing of unsaturated polyester resins. MPG is used as an active ingredient in antifreeze and as an anti-icing agent for car windshields, boats and airplane wings. MPG has a very low freezing point, and acts as a thickening agent, which helps the fluid adhere to surfaces. MPG is used as a solvent in paints, coatings, enamels and varnishes. MPG improves the properties of paints because its slow evaporation time lengthens the time the paint remains suitable for application.

Properties	Value	Test Method
SP. GR. (20/20 °C)	1.0375-1.0390	ASTM D5164
Color(Pt-Co)	Max 15	ASTM D5164
Acidity(as acetic acid)(wt %)	Max 0.005	ASTM D5164
Purity(on adry basis)(wt. %)	Min 99	ASTM D5164
Dipropylene Glycol(wt. %)	Max 1	ASTM D5164
Distillation Range (760 mmHg)(°C)	185-190	ASTM D5164
Water(wt. %)	MAX 0.2	ASTM D5164