

IS 7918: 2001 - Diethylene Glycol Specification

This standard outlines the specifications for diethylene glycol, a hygroscopic liquid primarily used in gas dehydration (notably in natural gas processing). The standard requires that diethylene glycol be free from suspended matter, fully miscible with water, and meet specified quality criteria, including color (Pt-Co scale), relative density, boiling range, water content, acidity, iron content, and allowable levels of monoethylene and triethylene glycol.

Diethylene glycol is utilized across various industrial applications, including as a conditioning agent and lubricant in textiles to enhance fiber flexibility and elasticity. It also serves as a humectant for moisture control, a softening agent in glues and adhesives, and an additive in rubber compounding to counteract the effects of mineral fillers. In addition, it plays a role in chemical extraction processes, making it valuable in multiple manufacturing sectors.