

MP DIOL GLYCOL



CAS Number: 2163-42-0

Other Names: 2-Methyl-1,3-propanediol; 1,3-Dihydroxy-2-methylpropane

Formula: $C_4H_{10}O_2$

PRODUCT INTRODUCTION

MP Diol Glycol contains two primary hydroxyls. It is a clear, colorless, low viscosity liquid. It provides an excellent balance of tensile strength, elongation and flexibility to the final product. It is miscible in water.

PHYSICAL AND CHEMICAL PROPERTIES

Assay (%)	98.69
Water (Wt %)	0.024
Carbonyl (As -CHO) (wt.ppm)	46
Color (APHA)	5 Below
Iron (ppm)	0.1 Below

APPLICATIONS

- MP Diol Glycol is used in polyesters for solvent- and waterborne coatings, imparting them lower viscosity than neopentyl glycol, easy processability, good flexibility, weatherability, and toughness.
 - It is widely used in paints with low content of volatile organic compounds (VOC) as two-component polyurethane coating and coil coating.
 - It is also used in glass-fiber-reinforced unsaturated polyesters and gel coats.
 - It is also used for chemical modification of polyethylene terephthalate (PET) used in production of fibers and films. Low content of MP Diol Glycol in PET fibers improves the dye uptake and in films it improves clarity, toughness, elongation, and shrinkage.
 - Plasticizers, elastomers, adhesives, cosmetics, and personal care products are other uses of MP Diol Glycol.
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PACKING OPTIONS

Drums

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