

Product Sheet

POLYGLYKOL



Polyglykol
M 500



Composition

Polyethylene glycol monomethyl ether

CAS-No.: 9004-74-4

Product properties*

Polyglykol M 500 is a clear neutral liquid at room temperature and can be supplied in tank trucks or in steel drums. Polyglykol M 500 is soluble in water and commonly used organic solvents like Aceton and Methanol.

Polyglykol M 500 can be considered as high molecular alcohol and therefore displays typical chemical reactions of alcohols.

Product data*

water content (DIN 51777)	% m/m	0.5
color index (10 %m/m in water) [APHA] (EN 1557)		max. 30
pH (5% w/w in water) (DIN EN 1262)		5 - 7
hydroxyl number (DIN 53240)	mg KOH/g	106 - 119
molecular weight	g/mol	470 - 530
pour point	° C	approx. 12
viscosity at 50°C (DIN 51562)	mm ² /s	16 - 20

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ISSUE
August 2015

Applications

M-type polyglycols are used for a wide variety of chemical reactions. With isocyanates and polyester they act as endcap and hydrophilic component. When reacted with unsaturated monomers like acrylic or methacrylic acid esters are formed which can be copolymerized in order to increase hydrophilicity and improve dispersing properties of polymers in water. Due to the low concentration of diols in Polyglykol M-types there is almost no formation of di-esters during the reaction with unsaturated organic acids.

Storage

When stored in a cold, dry place in a closed container Polyglykol M 500 can be kept for at least two years.

REFERENCE

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*) These characteristics are guidance only and should not be taken as product specifications. The tolerances are given in the product specification sheet. For further product properties, specifications, safety and ecological data, please refer to the MSDS.

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7/2015

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