Methyl triglycol

Technical Datasheet

Chemical Characterization

Triethylene glycol monomethyl ether
2-(2-(2-Methoxyethoxy)-ethoxy)-ethanol

CAS-No.: 112-35-6
Registrations: EINECS (Europe), TSCA (USA), AICS (Australian), DSL (Canada), ECL (Korea), PICCS (Philippines), ENCS (Japan), ASIA-PAC i.e.

Product Description

Methyl triglycol is a colorless, neutral, weakly hygroscopic and slightly mobile liquid with a mild pleasant odor. It is miscible in any ratio with water and the usual organic solvents e.g. acetone, diethyl ether, methanol.
Methyl triglycol enters into the typical alcohol reactions. Methyl-triglycol is used in brakefluid formulations und organic intermediates.

Storage Advices

Glycol ethers and their derivatives tend to form peroxides in the presence of air or oxygen.
Due to the hygroscopicity Methyl triglycol storage to prevent absorption of water has to be ensured. It is recommended to reduce moisture pickup by nitrogen blanketing of storage tanks.

Storage tanks should be made from stainless steel. Alumina and other light metals are not suitable due to alcoholate formation with methyl triglycol. For further informations please refer to the safety data sheet.

Physical Data

molar mass	g/mol	164
boiling range/1013 hPa	°C	240-280
freezing point (DIN 51583)	°C	-48
flash point(DIN 51755)	°C	ca. 125
ignition temperature (DIN 51794)	°C	215
refractive number n_D20 (DIN 51423, part 2)		1,4381
vapor pressure/20°C	mbar	0,1
density/20°C (DIN 51757)	g/cm³	ca. 1,05
kinematic viscosity/20°C (DIN 51562)	mm²/s	7-7,5
miscibility with water		100% miscible

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