TMP.3EO

Trimethylolpropane ethoxylated

Technical Data Sheet

Synonyms

Ethoxylated trimethylolpropane
Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)

Presentation

Clear colourless and odourless liquid.

Physical & Chemical behaviour

TMP.3EO is a mixture containing TMP and various ethoxylated forms of TMP. Its composition is defined as a mixture of TMP(EO)n molecules with a molar average of n equal to 3.
TMP.3EO can be mixed in all proportions with water.

Specifications

Property	Specification	Test method
Appearance	Clear liquid	
Colour	≤ 100 APHA	18E314
Water content	≤ 0.250%	18E315
Hydroxyl number	600 – 640 mg KOH	18E311
Content free TMP	≤ 0.80%	18E313
Content mono-ethyleneglycol	≤ 0.05%	18E313
Content di-ethyleneglycol	≤ 0.10%	18E313
Content tri-ethyleneglycol	≤ 0.70%	18E313

Packaging

Bulk.

Chemical & Physical properties

Property	Value
CAS Nr.	50586-59-9
NLP Nr.	500-110-3
Form	Liquid
Colour	Colourless
Odour	Odourless
Molecular weight	266.34
Melting point	< - 30°C
Boiling point	> 300°C
Flash point	> 150°C
Density (20°C)	1.11 kg/l
Viscosity (20°C)	660 cPoise
pH (4% solution)	5 to 8

Applications

Acrylic monomer precursor.

Storage

Stainless steel is preferable for storage of TMP.3EO. For bulk storage a nitrogen blanket is necessary to prevent moisture uptake and discoloration. Heating of the product is required for using a classical centrifugal pomp to transfer TMP.3EO.

Additional data

See Material Safety Data Sheet.

For further questions please contact our regional sales departments

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