

TRIDAC ISO-40-70%

Technical Data Sheet No. 1665 – March 2020



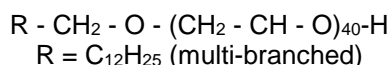
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Product Description

TRIDAC ISO-40-70% is a fatty alcohol polyethyleneglycol ether, based on MARLIPAL 13 and ethylene oxide (about 40 moles) and diluted with water. It is manufactured in Terranova dei Passerini (LO) plant. The chemical structure is the following:



CAS registry no. 69011-36-5
EINECS no. 931-138-8

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	ASTM E284	-	Clear liquid
√ Hydroxyl number (+)	EN 13926	mg KOH / g	27 – 31
√ pH (5%) (+)	EN 1262	-	5,0 – 7,0
√ Dry matter	ASTN C566	% mass	69 – 71
√ Cloud point (1% in 5% NaCl) (+)	EN 1890	°C	88 – 93

√ value reported on inspection certificate.

¹ specification No. 1981 rev. 4 of May 26th 2017.

(+) values referred to the product not diluted

Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content (+)	Calculated	%w/w	90
HLB (+)	Calculated	-	18,0
Molecular weight (+)	Calculated	g/mol	1.810 – 2.050
Pour point	ASTM D 97	°C	9
Density at 25°C	ASTM D7042	kg/m ³	1079
Viscosity dynamic at 25°C	ASTM D7042	mPas	1166
Viscosity dynamic at 40°C	ASTM D7042	mPas	366
Flash point	ASTM D 93	°C	Not applicable as aqueous solution



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Main Applications

TRIDAC ISO-40-70% is used in emulsion polymerisation, in particular to produce stable latexes of styrene/acrylate, VAM (vinyl acetate monomer) and copolymers.

Handling and Storage

TRIDAC ISO-40-70% should preferably be stored in stainless steel tanks.

It is suggested to keep the product at temperature below 40°C, it is preferable to avoid heating above 60°C and to store under nitrogen in order to minimise yellowish phenomena.

TRIDAC ISO-40-70% is clear liquid at room temperature and it becomes solid at temperature about 9°C.

TRIDAC ISO-40-70% does not contain any preservative. TRIDAC ISO-40-70% is not susceptible to microbial growth because of low water content.

Shelf-life is 36 months from production date for product in its original and sealed packaging.

Packaging

TRIDAC ISO-40-70% is generally supplied in plastic drums, details on available packaging can be obtained from sales department.

Data regarding safety, transport classes, toxicology and biodegradability of the product can be obtained from the corresponding material safety data sheet.

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