



MARLOX[®] 80

Technical Data Sheet No. 2814 – November 2012

Description

MARLOX[®] 80 is a fatty alcohol poly-glycol ether, based on LIAL[®] 111, ethylene oxide and propylene oxide. It is manufactured in Terranova dei Passerini (Lodi, Italy) plant.

Sales Specification

Property	Test Method	Unit	Guaranteed Value¹
√ Appearance at 25°C	visual	-	clear liquid
√ Colour	RCM 3668	APHA	≤ 100
√ Cloud point ^a	RCM 3646	°C	54 – 56
√ pH (5% in water)	RCM 3645	-	5.0 – 7.0
√ Water (Karl-Fisher)	RCM 3804	% w/w	≤ 0.50

√ values reported on inspection certificate.

¹ specification No. D001390 rev. 1 of February 6th, 2006.

^a 1 wt% in H₂O

Additional Properties

Property	Test Method	Unit	Typical Value
Average Molecular Mass	Calculated	g/mol	641
Viscosity at 25°C	RCM 3633	cSt	69.0
Density at 25°C	RCM 3663	kg/l	0.999

RCM are Sasol Italy analytical methods, internal or referred to international standard. Additional information available upon request.

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Main Applications

MARLOX[®] 80 is a low foaming non-ionic surfactant used as wetting agent in a variety of textile applications like scouring, bleaching and dyeing.

MARLOX[®] 80 is used in detergency as non-ionic surfactant for Hard Surface Cleaners and floor cleaners.

Handling and Storage

MARLOX[®] 80 should preferably be stored in stainless steel tanks. Suggested temperature for storage is below 30°C. It is preferable to avoid heating above 50°C and to store under nitrogen in order to minimise yellowish phenomena.

It is a clear liquid at room temperature and it becomes a turbid liquid at temperature lower than 22°C and a solid wax at temperature lower than 10°C.

Improvement of appearance and handling at low temperature can be achieved by mixing MARLOX[®] 80 with water to obtain a clear liquid with a clear point below 10°C.

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

Packaging

MARLOX[®] 80 is generally supplied in 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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