



# MARLOX<sup>®</sup> 50

Technical Data Sheet No. 2813 – November 2012

## Description

MARLOX<sup>®</sup> 50 is a fatty alcohol poly-glycol ether, based on LIAL<sup>®</sup> 111, ethylene oxide and propylene oxide. It is manufactured in Terranova dei Passerini (Lodi, Italy) plant.

## Sales Specification

Property	Test Method	Unit	Guaranteed Value <sup>1</sup>
√ Appearance at 25°C	visual	-	clear liquid
√ Colour	RCM 3668	APHA	≤ 100
√ Cloud point <sup>a</sup>	RCM 3646	°C	38 – 44
√ pH (5% in water)	RCM 3645	-	5.0 – 7.0
√ Water (Karl-Fisher)	RCM 3804	% w/w	≤ 0.50

√ values reported on inspection certificate.

<sup>1</sup> specification No. D001375 rev. 1 of February 6<sup>th</sup>, 2006.

<sup>a</sup> 1 wt% in H<sub>2</sub>O

## Additional Properties

Property	Test Method	Unit	Typical Value
Average Molecular Mass	Calculated	g/mol	550
Viscosity at 25°C	RCM 3633	cSt	53.0
Density at 25°C	RCM 3663	kg/l	0.984

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

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Cod. 20635, 20633, 20634



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## *Main Applications*

MARLOX<sup>®</sup> 50 is a low foaming non-ionic surfactant used as wetting agent in a variety of textile applications like scouring, bleaching and dyeing. In this field it is also used as textile degreaser. In detergency it is used as low foaming and good wetting surfactant in Hard Surface Cleaners.

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## *Handling and Storage*

MARLOX<sup>®</sup> 50 should preferably be stored in stainless steel tanks.

It is a clear liquid at room temperature and it becomes a turbid liquid at temperature lower than 12°C and a solid wax at temperature lower than 4°C. It is preferable to avoid heating above 50°C and to store under nitrogen in order to minimise yellowish phenomena.

Improvement of storage stability at low temperature can be achieved by mixing MARLOX<sup>®</sup> 50 with water. In particular, the addition of 15wt% of water makes this product a transparent liquid up to a temperature of -8°C. MARLOX<sup>®</sup> 50 is water soluble at room temperature.

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

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## *Packaging*

MARLOX<sup>®</sup> 50 is generally supplied in drums, details on available packaging can be obtained from sales department.

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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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