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MARLOX 11027

Technical Data Sheet No. 2810 – January 2020

Product Description

MARLOX 11027 is a fatty alcohol poly-glycol ether, based on LIAL 111, ethylene oxide and propylene oxide. It is manufactured in Terranova dei Passerini (LO) plant.

EINECS no. 940-634-3

Sales Specification

Property	Test Method	Unit	Guaranteed Value[1]
√ Appearance at 25°C	Visual	-	Clear liquid
√ Colour	RCM 3668	APHA	≤ 100
√ Cloud point (1% in water)	RCM 3646	°C	26 – 28
√ pH (5%)	RCM 3645	-	4,0 – 7,0
√ Free Water (Karl Fischer)	RCM 3804	% mass	≤ 0,50

√ value reported on inspection certificate.
[1] specification No. 1320 rev. 2 of February 5th 2007.

Additional Properties

Property	Test Method	Unit	Typical Value
Average Molecular weight	Calculated	g/mol	800
Pour point	ASTM D97	°C	- 12
Viscosity at 25°C	ASTM D7042	cSt	79
Viscosity at 40°C	ASTM D7042	cSt	39
Density at 25°C	ASTM D7042	kg/m^3	994
Flash point	ASTM D 93	°C	> 125

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

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Main Applications

MARLOX 11027 is a very low foaming wetting agent, used in formulations for textile processing (pre-treatment and dyeing) and textile finishing where the foam formation cannot be controlled with standard non-ionic alcohol ethoxylates.
MARLOX 11027 can be used in extreme agitated systems like e.g. in jet dying, due to its low foaming behaviour.
In textile field MARLOX 11027 is used as non-ionic degreaser.
In detergency field MARLOX 11027 is used as low foaming surfactant in I&I formulations for floor cleaning and as rinse aid in Automatic Dish Washing.

Handling and Storage

MARLOX 11027 should preferably be stored in stainless steel tanks.
It is suggested to keep the product at temperature below 30°C, it is preferable to avoid heating above 50°C and to store under nitrogen in order to minimise yellowish phenomena.
MARLOX 11027 is a clear liquid at room temperature it becomes a solid wax at temperature lower than 0°C. Improvement of appearance and handling at low temperature can be achieved by mixing the product with 5 weight% water to obtain a clear liquid up to a temperature about -20 C°.
MARLOX 11027 is soluble in water at room temperature at any concentration.
Shelf-life is 36 months from production date for product in its original and sealed packaging.

Packaging

MARLOX 11027 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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