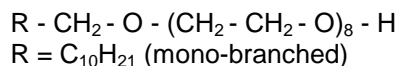


ISALCHEM® 11-8-85%

Technical Data Sheet No. 1193 – November 2012

Description

ISALCHEM® 11-8-85% is a fatty alcohol polyethyleneglycol ether, based on ISALCHEM® 11 and ethylene oxide (8 moles) that is diluted with 15% of water. It is manufactured in Terranova dei Passerini (Lodi, Italy) plant. The chemical structure is the following:



CAS registry no. 127036-24-2

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
* Appearance at 25°C	visual	-	clear liquid
* Colour ⁺	MPL 1002.0	APHA	≤ 50
* Cloud point ^{a+}	MPL 2001.0	°C	60-62
* pH (5% in water) ⁺	MPL 1007.0	-	5.0 - 7.0
* Water (Karl-Fisher)	MPL 1006.0	% w/w	14 - 16

⁺ values referred to the product not diluted

^{*} values reported on inspection certificate.

¹ specification No. D001451 rev. 1 of April 16th, 2002.

^a 1 wt% water solution.

Additional Properties

Property	Test Method	Unit	Typical Value
Density at 40°C	RCM 3663.1	Kg/l	1.01
Viscosity at 40°C	RCM 3633.1	cSt	41
Puor point	RCM 3629	°C	-18
Ethylene Oxide content ⁺	calculated	% w/w	67
HLB ⁺	calculated	-	13.3
Average Molecular Mass ⁺	calculated	g/mol	524
Physical state changement ⁺	MPL 1001.1	°C	10
Flash point ⁺	RCM 3628	°C	> 125

⁺ values referred to the product not diluted

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

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Main Applications

ISALCHEM® 11-8-85% is a good wetting agent with degreasing performance. It can be used as detergent product in the textile field, as degreasing agent in leather treatment and in metal working application. It is suitable for NPE 9 replacement.

Handling and Storage

ISALCHEM® 11-8-85% should preferably be stored in heated stainless steel tanks. It is a homogeneous and transparent at room temperature. It is preferable to avoid heating above 60°C and to store under nitrogen in order to minimise yellowish phenomena. At low temperature ISALCHEM® 11-8-85% remains liquid and handling up to a temperature of -15°C. Shelf-life is 36 months from production date for product in its original and sealed packaging.

Packaging

ISALCHEM® 11-8-85% is generally supplied in drums, details on available packaging can be obtained from sales department.

Cod. 20462

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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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