

SAFOL 23 E-2

Technical Data Sheet No. 5110 – March 2018



Distribuito da:

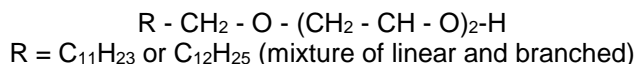


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Product Description

SAFOL 23 E-2 is a fatty alcohol polyethyleneglycol ether, based on SAFOL 23 and ethylene oxide (about 2 moles). It is manufactured in Terranova dei Passerini (LO) plant. The chemical structure is the following:



CAS registry no. 160901-19-9
EINECS no. 500-457-0
INCI C12-13 PARETH-2

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 30°C	Visual	-	Cludy liquid
√ Colour	RCM 3668	APHA	≤ 50
√ Cloud point (10% in BDG at 25%)	RCM 3646	°C	48,0 – 51,0
√ Hydroxyl number	RCM 3851	mg KOH / g	192 – 204
Polyethylene glycols	RCM 1412	% mass	≤ 2,0
√ pH (5%)	RCM 3645	-	5,0 – 7,0
√ Free Water (Karl Fischer)	ASTM E203	% mass	≤ 0,20

√ value reported on inspection certificate.

¹ specification No. 1220 rev. 2 of January 1st 2011.

Additional Properties

Property	Test Method	Unit	Typical Value
Molecular weight	Calculated	g/mol	275 – 292
Ethylene Oxide content	Calculated	%w/w	32
HLB	Calculated	-	6,3
Pour point	ASTM D 97	°C	- 12
Viscosity at 40°C	ASTM D7042	cSt	13
Viscosity at 25°C	ASTM D7042	cSt	23
Density at 25°C	ASTM D7042	kg/m ³	912
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

SAFOL 23 E-2 is a raw material for preparation of high active matter ethers sulphates aqueous solutions having low viscosity.

Due to its low number of EO (low HLB value), it is mainly used as a co-emulsifier agent for W/O or O/W emulsions in combination with anionic or non-ionic surfactants with high HLB value.

Handling and Storage

SAFOL 23 E-2 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.

SAFOL 23 E-2 becomes a solid wax at temperature lower than - 12°C.

At room temperature SAFOL 23 E-2 is not water soluble.

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

Packaging

SAFOL 23 E-2 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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