

EMULDAC AS-3,5

Technical Data Sheet No. 2001 – April 2020



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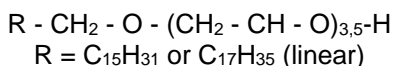


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Product Description

EMULDAC AS-3,5 is a fatty alcohol polyethyleneglycol ether, based on NAFOL 1618S and ethylene oxide (about 3,5 moles). It is manufactured in Terranova dei Passerini (LO) plant. The chemical structure is the following:



CAS registry no. 68439-49-6
EINECS no. 931-992-1
INCI CETEARETH-3

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	Visual	-	Solid
√ Colour (50% m/m Isopropanol)	RCM 3668	APHA	≤ 30
√ Cloud point (20+100 in BDG at 25%)	RCM 3646	°C	61 – 63
Hydroxyl number	RCM 3851	mg KOH / g	129 – 135
Molecular weight	Calculated	g/mol	416 – 435
Polyethylene glycols	RCM 1412	% mass	≤ 3,0
√ pH (5%)	RCM 3645	-	5,0 – 7,0
√ Free Water (Karl Fischer)	RCM 3804	% mass	≤ 0,50

√ value reported on inspection certificate.

¹ specification No. 3220 rev. 2 of Marc 3rd 2008.

Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content	Calculated	%w/w	38
HLB	Calculated	-	7,7
Pour point	ASTM D 97	°C	33
Viscosity at 50°C	ASTM D7042	cSt	20
Density at 50°C	ASTM D7042	kg/m ³	902
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

EMULDAC AS-3,5 is used as intermediate in esterification processes for textile, leather and paper auxiliaries production.

Due to its low number of EO (low HLB value), EMULDAC AS-3,5 is mainly used as emulsifier agent for W/O emulsions.

Handling and Storage

EMULDAC AS-3,5 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.

EMULDAC AS-3,5 is solid at room temperature and it becomes homogeneous and transparent at temperature about 40°C.

At room temperature EMULDAC AS-3,5 is not water soluble.

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

Packaging

EMULDAC AS-3,5 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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