

# EMULDAC AS-80

Technical Data Sheet No. 2014 – February 2017



**sasol**

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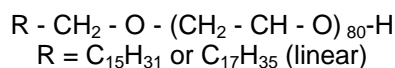


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## Product Description

EMULDAC AS-80 is a fatty alcohol polyethyleneglycol ether, based on NAFOL 1618S and ethylene oxide (about 80 moles). It is manufactured in Terranova dei Passerini (LO) plant. The chemical structure is the following:



CAS registry no. 68439-49-6

## Sales Specification

Property	Test Method	Unit	Guaranteed Value <sup>1</sup>
√ Appearance at 25°C	Visual	-	Flakes
√ Cloud point (1% in 10% NaCl)	RCM 3646	°C	73 – 77
Hydroxyl number	RCM 3851	mg KOH / g	15 – 25
√ pH (5%)	RCM 3645	-	5,0 – 7,0

√ value reported on inspection certificate.

<sup>1</sup> specification No. 3330 rev. 2 of November 13<sup>th</sup> 2009.

## Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content	Calculated	%w/w	93
HLB	Calculated	-	18,5
Pour point	ASTM D 97	°C	55
Viscosity at 70°C	ASTM D445 / ASTM D7042	cSt	160
Density at 70°C	ASTM D7042 / ASTM D4052	kg/m <sup>3</sup>	1.060
Flash point	ASTM D 93	°C	> 125

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

EMULDAC AS-80 is used as dispersant for dyes and pigments in the textile field.  
In the detergency field EMULDAC AS-80 is suitable for automatic dishwashing tablets and toilet rim blocks.  
In the personal care field EMULDAC AS-80 is used as O/W emulsifier in a broad range of pH and as dispersant for "hair-dyeing" formulations.

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## Handling and Storage

EMULDAC AS-80 should preferably be stored in stainless steel tanks.  
It is suggested to keep the product at temperature below 50°C, it is preferable to avoid heating above 60°C and to store under nitrogen in order to minimise yellowish phenomena.  
EMULDAC AS-80 is solid at room temperature and it becomes homogeneous at temperature about 55°C.  
If EMULDAC AS-80 is packaged, it should be stored in a cool location in sacks or containers made of plastic materials impermeable to moisture.  
Shelf-life is 36 months from production date for product in its original and sealed packaging.

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## Packaging

EMULDAC AS-80 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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