

# BIODAC 2-32

Technical Data Sheet No. 2807 – April 2019



**sasol**

Distribuito da:



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## Product Description

BIODAC 2-32 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 <sup>1</sup>
√ Appearance at 25°C	Visual	-	Cloudy liquid
√ Colour	RCM 3668	APHA	≤ 100
√ Cloud point (1% in water)	RCM 3646	°C	34 – 36
Hydroxyl number	RCM 3851	mg KOH / g	85 – 90
Molecular weight	Calculated	g/mol	623 – 660
√ pH (5%)	RCM 3645	-	4,0 – 7,0
√ Free Water (Karl Fischer)	RCM 3804	% mass	≤ 0,50

√ value reported on inspection certificate.

<sup>1</sup> specification No. 1081 rev. 2 of February 26<sup>th</sup> 2007.

## Additional Properties

Property	Test Method	Unit	Typical Value
Pour point	ASTM D 97	°C	- 21
Viscosity at 25°C	ASTM D445 / ASTM D7042	cSt	53
Viscosity at 50°C	ASTM D445 / ASTM D7042	cSt	21
Density at 25°C	ASTM D7042 / ASTM D4052	kg/m <sup>3</sup>	960
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

BIODAC 2-32 can be used in extreme agitated systems due to its low foaming behaviour. In detergency field BIODAC 2-32 is used primary low foaming surfactant and rinse aid agent in Automatic Dish Washing. BIODAC 2-32 is also used as wetting agent with very low foaming profile in Hard Surface Cleaner formulations.

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## Handling and Storage

BIODAC 2-32 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. BIODAC 2-32 is a clear liquid at room temperature it becomes a solid wax at temperature lower than -10°C. Improvement of appearance and handling at low temperature can be achieved by mixing the product with 15 weight% water to obtain a clear liquid up to a temperature about -20 C°. BIODAC 2-32 is soluble in water at room temperature. Shelf-life is 36 months from production date for product in its original and sealed packaging.

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## Packaging

BIODAC 2-32 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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