



BIODAC 2-32

Technical Data Sheet No. 2807 – April 2019

SASOL

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 ¹
√ 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.

¹ specification No. 1081 rev. 2 of February 26th 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 ³	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.

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.

Packaging

BIODAC 2-32 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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