

BIODAC 510

Technical Data Sheet No. 1103 – January 2020



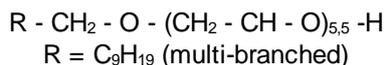
Distribuito da:



Via Bonazzi, 36
40013 Castel Maggiore (BO)
Tel: +39 051 6322111
Fax: +39 051 715380
sicurezza@tellerini.it
www.tellerini.it

Product Description

BIODAC 510 is a fatty alcohol polyethyleneglycol ether, based on iso-decanol and ethylene oxide (about 5,5 moles). It is manufactured in Terranova dei Passerini (LO) plant. The chemical structure is the following:



CAS registry no. 78330-20-8
EINECS no. 932-183-6

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	Visual	-	Cloudy liquid
√ Colour	RCM 3668	APHA	≤ 50
√ Cloud point (1% water)	RCM 3646	°C	36,0 – 38,0
Hydroxyl number	RCM 3851	mg KOH / g	133 – 137
Molecular weight	Calculated	g/mol	409 – 422
Polyethylene glycols	RCM 1412	% mass	≤ 3,0
√ pH (5%)	RCM 3645	-	5,0 – 7,0
√ Free Water (Karl Fischer)	RCM 3804	% mass	≤ 0,5

√ value reported on inspection certificate.

¹ specification No. 1030 rev. 2 of May 2nd, 2007.

Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content	Calculated	%w/w	62
HLB	Calculated	-	12,4
Pour point	ASTM D97	°C	6
Viscosity at 25°C	ASTM D7042	cSt	39
Viscosity at 50°C	ASTM D7042	cSt	15
Density at 50°C	ASTM D7042	kg/m ³	960
Flash point	ASTM D 93	°C	> 125

RCM are Sasol Italy analytical methods, internal or referred to international standard. Additional information available upon request.



SASOL

BIODAC 510

Technical Data Sheet No. 1103 – January 2020

Main Applications

BIODAC 510 is an outstanding wetting agent, with good degreasing performance. It is highly performing for APC formulations.

Handling and Storage

BIODAC 510 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.

BIODAC 510 is a cloudy liquid at room temperature, 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 -10°C.

At room temperature BIODAC 510 is water soluble up to 50 weight%.

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

Packaging

BIODAC 510 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.

Sasol Italy S.p.A.

Headquarters
Viale Forlanini, 23
20134 Milano, Italy
Phone +39-02 58453 1
Fax +39-02 58453 285

Technical Customer Support
Via E. Mattei, 4
26827 Terranova dei Passerini (LO), Italy
Phone +39-0377 463 1
Fax +39-0377 463 226

Sasol is a registered trademark of Sasol Ltd. Product trademarks displayed in this document are the property of the Sasol Group of companies, except where it is clear from the context that not. Users of this document are not permitted to use these trademarks without the prior written consent of their proprietor. All rights not expressly granted are reserved. Reference to trademarks used by other companies is neither a recommendation, nor should it give the impression that products of other companies cannot be used.

The information contained in this document is based on Sasol's knowledge and experience at the time of its creation. We reserve the right to make any changes to this document or the products described therein, as a result of technological progress or developments. This information implies no liability or other legal responsibility on our part, including with regard to existing third-party patent rights. In particular, no guarantee or warranty of properties in the legal sense is implied. The customer is not exempted from the obligation to conduct careful inspection and testing of incoming products. All our business transactions are governed exclusively by our General Business Terms.