

PLURODAC 44

Technical Data Sheet No. 2601 – November 2021



sasol

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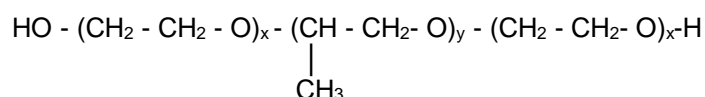
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Product Description

PLURODAC 44 is a block copolymer, based on a central propylene glycol chain extended with polyethylene glycol at both ends. It is manufactured in Terranova dei Passerini (LO) plant.

The chemical structure is the following:



CAS registry no. 9003-11-6

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	Visual	-	Clear liquid
√ Colour	MPL 1002.0	APHA	≤ 100
√ Cloud point (10% in water)	MPL 2001.0	°C	64 – 66
Hydroxyl number (*)	MPL 1010.0	mg KOH / g	50 – 60
Molecular weight (*)	Calculated	g/mol	1.850 – 2.250
√ pH (5%)	MPL 1007.0	-	4,0 – 7,0
√ Free Water (Karl Fischer)	MPL 1006.0	% mass	4,0 – 6,0

√ value reported on inspection certificate.

¹ specification No. 5020 rev. 1 of June 1st 2001.

(*) values referred to the product not diluted

Additional Properties

Property	Test Method	Unit	Typical Value
Pour point	ASTM D 97	°C	0
Average Molecular weight	Calculated	g/mol	2.000
Viscosity at 40°C	ASTM D7042	cSt	200
Density at 40°C	ASTM D7042	kg/m ³	1.040
Flash point	ASTM D 93	°C	> 125

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



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Main Applications

PLURODAC 44 is used as surfactant for emulsion polymerization. It can be also used as co-emulsifier for waxes and dispersing agent for pigments and inks.

Handling and Storage

PLURODAC 44 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.

PLURODAC 44 is a clear liquid at room temperature it becomes a solid wax at temperature lower than 0°C.

PLURODAC 44 contains 5 weight% water.

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

Packaging

PLURODAC 44 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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