

EMULDAC 251 PE

Technical Data Sheet No. 2808 – February 2017



SASOL

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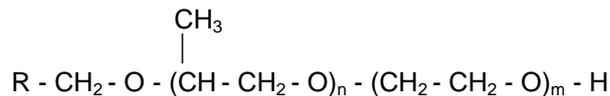


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Product Description

EMULDAC 251 PE is a fatty alcohol poly-glycol ether, based on NAFOL 1618S, propylene oxide and ethylene oxide. It is manufactured in Terranova dei Passerini (LO) plant. The chemical structure is the following:



R = C₁₅H₃₁ or C₁₇H₃₅ (linear)

CAS registry no. 68002-96-0
EINECS no. 614-209-5

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	Visual	-	Clear liquid
√ Colour	MPL 1002.0	APHA	≤ 100
Physical state changement	MPL 1001.0	°C	≤ 0
√ Cloud point (10% in BDG at 25%)	MPL 2001.0	°C	21 – 26
√ pH (5%)	MPL 1007.0	-	4,0 – 6,0
√ Free Water (Karl Fischer)	MPL 1006.0	% mass	≤ 0,50

√ value reported on inspection certificate.

¹ specification No. 3380 rev. 1 of June 1st 2001.

Additional Properties

Property	Test Method	Unit	Typical Value
Viscosity at 20°C	ASTM D445 / ASTM D7042	cSt	237
Viscosity at 50°C	ASTM D445 / ASTM D7042	cSt	63
Density at 20°C	ASTM D7042 / ASTM D4052	kg/m ³	984
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 251 PE is a surfactant having a low hydrophylic-lipophylic ratio, mainly used as antifoam agent in paper manufacturing.

Handling and Storage

EMULDAC 251 PE 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.

EMULDAC 251 PE is a clear liquid at room temperature it becomes a solid wax at temperature lower than 0°C.

EMULDAC 251 PE is not water soluble at room temperature.

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

Packaging

EMULDAC 251 PE 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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