

# EMULGANTE EL-18

Technical Data Sheet No. 3203 – October 2022



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## Product Description

EMULGANTE EL-18 is a castor oil polyethyleneglycol ether, (about 23 moles of ethylene oxide).  
It is manufactured in Terranova dei Passerini (LO) plant.

CAS registry no. 61791-12-6

## Sales Specification

Property	Test Method	Unit	Guaranteed Value <sup>1</sup>
√ Appearance at 25°C	Visual	-	Clear liquid
√ Colour	RCM 3668	Gardner	≤ 5,0
√ Cloud point (10% in BDG at 25%)	RCM 3646	°C	65 – 67
Saponification number	RCM 3820	mg KOH / g	78 – 88
√ pH (5%)	RCM 3645	-	5,0 – 7,0
√ Free Water (Karl Fischer)	RCM 3804	% mass	≤ 0,50

√ value reported on inspection certificate.

<sup>1</sup> specification No. 4020 rev. 2 of November 13<sup>th</sup> 2009.

## Additional Properties

Property	Test Method	Unit	Typical Value
Dioxane	RCM 1124	ppm	< 1.000
HLB	Calculated	-	10,4
Average Molecular weight	calculated	g/mol	2.000
Pour point	ASTM D 97	°C	- 3
Viscosity dynamic at 25°C	ASTM D7042	mPas	419
Viscosity dynamic at 40°C	ASTM D7042	mPas	190
Density at 25°C	ASTM D7042	kg/m <sup>3</sup>	1.035
Density at 50°C	ASTM D7042	kg/m <sup>3</sup>	1.020
Flash point	ASTM D 93	°C	> 125

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



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## Main Applications

EMULGANTE EL-18 is used as dispersing agent for pigment and clay.

In industrial applications EMULGANTE EL-18 is used as rewetting agent for leather, as softener and dyeing assistant for paint and paper.

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## Handling and Storage

EMULGANTE EL-18 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.

EMULGANTE EL-18 is a clear liquid at room temperature and it becomes a solid wax at temperature lower than 0°C.

Avoid contact with strong oxidizers, strong acids and strong bases.

Shelf-life is 24 months from production date for product in its original and sealed packaging.

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## Packaging

EMULGANTE EL-18 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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