

# EMULGANTE EL-30

Technical Data Sheet No. 3204 – October 2022



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## Product Description

EMULGANTE EL-30 is a castor oil polyethyleneglycol ether, (about 30 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	≤ 7,0
√ Cloud point (10% in BDG at 25%)	RCM 3646	°C	68 – 69
Saponification number	RCM 3820	mg KOH / g	70 – 76
Acid number	RCM 3817	mg KOH / g	≤ 1,0
√ pH (10% water solution)	RCM 3645	-	5,0 – 7,5
Free Water (Karl Fischer)	RCM 3804	% mass	≤ 0,50

√ value reported on inspection certificate.

<sup>1</sup> specification No. 4046 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	-	11,8
Average Molecular weight	calculated	g/mol	2.300
Pour point	ASTM D 97	°C	9
Viscosity at 50°C	ASTM D7042	cSt	130
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-30 is used as lubricant, oil emulsifier and wetting agent for fibre finish in textile field.  
In metalworking field EMULGANTE EL-30 is used as cutting and drawing fluid ingredient.  
In leather application EMULGANTE EL-30 is used as rewetting agent and softener.

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## Handling and Storage

EMULGANTE EL-30 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-30 is a clear liquid at room temperature and it becomes a solid wax at temperature lower than 9°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-30 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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