

EMULGANTE ELC-200

Technical Data Sheet No. 3206 – October 2022



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Product Description

EMULGANTE ELC-200 is a castor oil polyethyleneglycol ether, (about 250 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 ¹
√ Appearance at 25°C	Visual	-	Solid
√ Colour	RCM 3668	Gardner	≤ 5,0
√ Cloud point (1% in 10% NaCl)	RCM 3646	°C	65 – 70
Saponification number	RCM 3820	mg KOH / g	12 – 17
√ pH (5%)	RCM 3645	-	5,0 – 7,0
Free Water (Karl Fischer)	RCM 3804	% mass	≤ 0,50

√ value reported on inspection certificate.

¹ specification No. 4080 rev. 2 of November 13th 2009.

Additional Properties

Property	Test Method	Unit	Typical Value
Dioxane	RCM 1124	ppm	< 1.000
Ethylene Oxide content	Calculated	%w/w	92
HLB	Calculated	-	18,4
Average Molecular weight	calculated	g/mol	12.000
Melting point	ASTM D 127	°C	52
Viscosity dynamic at 70°C	ASTM D7042	mPa*s	131
Density at 70°C	ASTM D7042	kg/m ³	1.060
Flash point	ASTM D 93	°C	> 150

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



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Main Applications

EMULGANTE ELC-200 is used as lubricant and antistatic agent for fibre finish in industrial applications. In textile and leather field EMULGANTE ELC-200 is used as dispersant for pigment and clay, softener and rewetting agent for paint.

Handling and Storage

EMULGANTE ELC-200 should preferably be stored in stainless steel tanks. It is preferable to avoid heating above 60°C and to store under nitrogen in order to minimise yellowish phenomena.

EMULGANTE ELC-200 is a solid at room temperature and it becomes liquid at temperature higher than 50°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.

Packaging

EMULGANTE ELC-200 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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