

# LORODAC 9-24 F RSPO MB

Technical Data Sheet No. 1567 – November 2022



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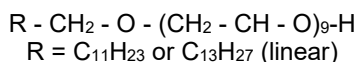


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## Product Description

LORODAC 9-24 F RSPO MB is a fatty alcohol polyethyleneglycol ether, based on Fatty alcohol 1214 and ethylene oxide (about 9 moles). It is manufactured in Terranova dei Passerini (LO) plant. The chemical structure is the following:



CAS registry no. 68439-50-9  
EINECS no. 932-106-6  
INCI LAURETH-9

## Sales Specification

Property	Test Method	Unit	Guaranteed Value <sup>1</sup>
√ Appearance at 25°C	Visual	-	Paste
√ Colour	EN 1557	APHA	≤ 30
√ Cloud point (1% in water)	EN1890	°C	79,0 – 81,0
Hydroxyl number	EN 13926	mg KOH / g	93 – 98
Molecular weight	Calculated	g/mol	572 – 603
Polyethylene glycols	EN 12582	% mass	≤ 3,0
√ pH (5%)	EN 1262	-	5,0 – 7,0
√ Free Water (Karl Fischer)	ASTM E203	% mass	≤ 0,50

√ value reported on inspection certificate.

<sup>1</sup> specification No. 2271 rev. 1 of October 26<sup>th</sup> 2020.

Experimental specification

## Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content	Calculated	%w/w	67
HLB	Calculated	-	13,3
Pour point	ASTM D97	°C	25
Viscosity at 40°C	ASTM D7042	cSt	52
Viscosity at 50°C	ASTM D7042	cSt	28
Density at 40°C	ASTM D7042	kg/m <sup>3</sup>	995
Flash point	ASTM D 93	°C	> 125

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## Further information

### Heavy metal

Arsenic (As) less than 1 mg/kg	Cadmium (Cd) less than 1 mg/kg
Cobalt (Co) less than 1 mg/kg	Chromium (Cr) less than 1 mg/kg
Copper (Cu) less than 1 mg/kg	Iron (Fe) less than 2 mg/kg
Manganese (Mn) less than 1 mg/kg	Nickel (Ni) less than 1 mg/kg
Lead (Pb) less than 1 mg/kg	Tin (Sn) less than 1 mg/kg
Strontium (Sr) less than 1 mg/kg	Zinc (Zn) less than 1 mg/kg

Heavy metal content is periodically checked (ICP method); data given here have to be considered as typical.

### Preservative

LORODAC 9-24 F RSPO MB does not contain any preservative. LORODAC 9-24 F RSPO MB is not susceptible to microbial growth because of absence water content.

Property	Test Method	Unit	Typical Value
Total Aerobic Microbial Count	Eu.Ph. 5.1.4	CFU/g	< 100
Total Yeasts/Moulds Count	Eu.Ph. 5.1.4	CFU/g	< 10

Microbiological control test is periodically done; data given here have to be considered as typical.

### Antioxidants

LORODAC 9-24 F RSPO MB does not contain any antioxidant.

### Pesticides

LORODAC 9-24 F RSPO MB does not contain any pesticide.

### Product origin

LORODAC 9-24 F RSPO MB is manufactured from following raw materials:

- Alcohols C<sub>12</sub> and C<sub>14</sub> linear with vegetable origin
- Ethylene oxide with synthetic origin

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## Main Applications

LORODAC 9-24 F RSPO MB is mainly used as an emulsifier agent for O/W emulsions in combination with a lower HLB non-ionic surfactant.

In the detergency field LORODAC 9-24 F RSPO MB is used in HDL and LDL formulations, due to its high water solubility and good emulsification property at medium-low temperature.

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LORODAC 9-24 F RSPO MB 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.

LORODAC 9-24 F RSPO MB is a paste at room temperature and it becomes a solid wax at temperature lower than 25°C. Improvement of appearance and handling at low temperature can be achieved by mixing the product with 10 weight% water.

At room temperature LORODAC 9-24 F RSPO MB is water soluble up to 25 weight%.

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

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## Packaging

LORODAC 9-24 F RSPO MB 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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