



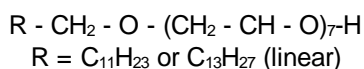
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LORODAC 7-24 F

Technical Data Sheet No. 1557 – February 2020

Product Description

LORODAC 7-24 F is a fatty alcohol polyethyleneglycol ether, based on NAFOL 1214 and ethylene oxide (about 7 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-7

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	Visual	-	Cloudy liquid
√ Colour	MPL 1002.0	APHA	≤ 30
Physical state changement	MPL 1001.0	°C	15 – 20
√ Cloud point (1% in water)	MPL 2001.0	°C	57 – 59
Hydroxyl number	MPL 1010.0	mg KOH / g	106 – 112
Molecular weight	Calculated	g/mol	501 – 529
Polyethylene glycols	MPL 2002.0	% mass	≤ 3,0
√ pH (5%)	MPL 1007.0	-	5,0 – 7,0
√ Free Water (Karl Fischer)	MPL 1006.0	% mass	≤ 0,50

√ value reported on inspection certificate.

¹ specification No. 2241 rev. 1 of June 1st 2001.

Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content	Calculated	%w/w	62
HLB	Calculated	-	12,4
Pour point	ASTM D97	°C	18
Viscosity at 25°C	ASTM D7042	cSt	52
Viscosity at 40°C	ASTM D7042	cSt	27
Density at 25°C	ASTM D7042	kg/m ³	984
Density at 50°C	ASTM D7042	kg/m ³	960
Flash point	ASTM D 93	°C	> 125

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

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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 1mg/kg

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

Preservative

LORODAC 7-24 F does not contain any preservative. LORODAC 7-24 F 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 7-24 F does not contain any antioxidant.

Pesticides

LORODAC 7-24 F does not contain any pesticide.

Product origin

LORODAC 7-24 F is manufactured from following raw materials:

- Alcohols C₁₂ and C₁₄ linear with vegetable origin
- Ethylene oxide with synthetic origin

Main Applications

LORODAC 7-24 F is mainly used as an emulsifier agent for O/W emulsions in combination with a lower HLB non-ionic surfactant.

LORODAC 7-24 F can be used as detergent product in the wool scouring process, as degreasing in leather treatment.

In the detergency field LORODAC 7-24 F is used in HDP, HDL as well as LDL formulations, due to its high water solubility and good emulsification property at medium-low temperature.



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Handling and Storage

LORODAC 7-24 F 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 7-24 F is a cloudy liquid at room temperature and it becomes homogeneous and transparent at temperature about 45°C.

LORODAC 7-24 F becomes a solid wax at temperature lower than 20°C. Improvement of appearance and handling at low temperature can be achieved by mixing the product with 10 weight% water to obtain a clear liquid up to a temperature about 25 C°.

At room temperature LORODAC 7-24 F is water soluble up to 30 weight%.

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

Packaging

LORODAC 7-24 F 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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