

LIALET 125-7-90%

Technical Data Sheet No. 1705 – April 2020



Distribuito da:

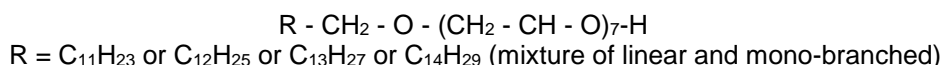


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Product Description

LIALET 125-7-90% is a fatty alcohol polyethyleneglycol ether, based on LIAL 125 and ethylene oxide (about 7 moles) and diluted with 10 weight% water. It is manufactured in Terranova dei Passerini (LO) plant. The chemical structure is the following:



CAS registry no. 106232-83-1
EINECS no. 932-186-2
INCI C12-15 PARETH-7

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	ASTM D4176	-	Clear liquid
√ Colour	EN 1557	APHA	≤ 50
√ Cloud point (10% in BDG at 25%) (+)	EN 1890	°C	76 – 78
√ pH (5%) (+)	EN 1262	-	5,0 – 7,0
√ Free Water (Karl Fischer)	ASTM E203	% mass	9,0 – 11,0

√ value reported on inspection certificate.

¹ specification No. 2645 rev. 2 of July 27th 2018.

(+) values referred to the product not diluted

Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content (+)	Calculated	%w/w	61
HLB (+)	Calculated	-	12,1
Hydroxyl number (+)	EN 13926	mg KOH / g	104 – 110
Molecular weight (+)	Calculated	g/mol	510 – 540
Polyethylene glycols (+)	EN 12582	% mass	≤ 3,0
Pour point	ASTM D 97	°C	10
Viscosity at 25°C	ASTM D7042	cSt	95
Density at 25°C	ASTM D7042	kg/m ³	980
Flash point	ASTM D 93	°C	not measurable as aqueous solution

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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

LIALET 125-7-90% does not contain any preservative. LIALET 125-7-90% is not susceptible to microbial growth because of low 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

LIALET 125-7-90% does not contain any antioxidant.

Pesticides

LIALET 125-7-90% does not contain any pesticide.

Product origin

LIALET 125-7-90% is manufactured from following raw materials:

- Alcohols C₁₂ – C₁₅ linear and branched with synthetic origin
- Ethylene oxide with synthetic origin

Main Applications

LIALET 125-7-90% can be used as detergent product in the wool scouring process, as degreasing in leather treatment, as emulsifier in agrochemicals and agriculture applications.

In metal working field LIALET 125-7-90% shows good dispersing properties for chip or shaving particles as well as good emulsification behaviour regarding to the most common lubricating oils used.

In the detergency field LIALET 125-7-90% is used in HDP formulations due to its high emulsification property at medium-low temperature.



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Handling and Storage

LIALET 125-7-90% 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.

LIALET 125-7-90% is a clear liquid at room temperature and it becomes a solid wax at temperature lower than 10°C.

At room temperature LIALET 125-7-90% is water soluble up to 25 weight%.

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

Packaging

LIALET 125-7-90% is generally supplied in plastic 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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