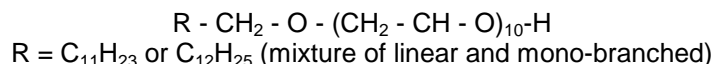


LIALET 123-10

Technical Data Sheet No. 1354 – July 2016

Product Description

LIALET 123-10 is a fatty alcohol polyethyleneglycol ether, based on LIAL 123 and ethylene oxide (about 10 moles). It is manufactured in Terranova dei Passerini (LO) plant. The chemical structure is the following:



CAS registry no. 160901-19-9
EINECS no. 931-954-4
INCI C12-13 PARETH-10

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	ASTM E284	-	Paste
√ Colour	EN 1557	APHA	≤ 50
√ Cloud point (1% in water)	EN 1890	°C	79 – 81
Hydroxyl number	EN 13926	mg KOH / g	86 – 90
Molecular weight	Calculated	g/mol	623 – 652
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.

¹ specification No. 1600 rev. 2 of November 21st 2005.

Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content	Calculated	%w/w	70
HLB	Calculated	-	13,9
Pour point	ASTM D 97	°C	21 – 27
Viscosity at 50°C	ASTM D445 / ASTM D7042	cSt	30
Density at 50°C	ASTM D7042 / ASTM D4052	kg/m ³	990
Flash point	ASTM D 93	°C	> 125

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

**sasol**

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Main Applications

LIALET 123-10 is a non-ionic surfactant with good detergent properties.

LIALET 123-10 shows degreasing and anti-irritant performances in DWL formulations, it is suitable as solubilizing agent for fragrances, oil and perfumes.

Handling and Storage

LIALET 123-10 should preferably be stored in stainless steel tanks.

It is suggested to keep the product at temperature below 50°C, it is preferable to avoid heating above 60°C and to store under nitrogen in order to minimise yellowish phenomena.

LIALET 123-10 is a paste at room temperature and it becomes clear liquid at temperature about 55 °C. LIALET 123-10 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 20 weight% water to obtain a clear liquid up to a temperature about 12 C°.

At room temperature LIALET 123-10 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 123-10 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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