

LORODAC[®] L6-S-50

Technical Data Sheet No. 2806 – November 2012

Description

LORODAC[®] L6-S-50 is a fatty alcohol poly-glycol ether, based on C₁₂-C₁₅ alcohol, ethylene oxide and propylene oxide. It is manufactured in Terranova dei Passerini plant (Lodi, Italy).

CAS registry no. 120313-48-6

Sales Specification

Property	Test Method	Unit	Guaranteed Value¹
√ Appearance at 25°C	visual	-	clear liquid
√ Colour	MPL 1002.0	APHA	≤ 100
Physical state changement	MPL 1001.0	°C	-5 ÷ 0
√ Cloud point ^a	MPL 2001.0	°C	36 – 41
Hydroxyl Number	MPL 1010.0	mg KOH/g	90 – 105
Average Molecular Mass	calculated	g/mol	534 – 623
√ pH (5% in water)	MPL 1007.0	-	4.5 – 6.5
√ Water (Karl-Fisher)	MPL 1006.0	% w/w	≤ 0.50

√ values reported on inspection certificate.

¹ specification No. D002510 rev. 1 of June 1st, 2001.

^a 1 wt% in H₂O.

Additional Properties

Property	Test Method	Unit	Typical Value
Flash point	RCM 3628	°C	> 125
Viscosity at 25°C	RCM 3633	cSt	20
Density at 25°C	RCM 3663	kg/l	0.96

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

Cod. 20350

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Main Applications

LORODAC[®] L6-S-50 shows a good wetting power and a medium foam behaviour. Due to its good detergency properties and to its high biodegradability it is mainly used in HSC formulations.

Handling and Storage

LORODAC[®] L6-S-50 should be preferably stored in stainless steel tanks. Suggested temperature for storage is below 30°C. It is preferable to avoid heating above 50°C and to store under nitrogen in order to minimise yellowish phenomena.

It is a clear liquid at room temperature.

Improvement of appearance and handling at low temperature can be achieved by mixing LORODAC[®] L6-S-50 with water. In particular, the addition of 5 wt% of water makes this product a transparent liquid up to a temperature lower than 5°C.

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

Packaging

LORODAC[®] L6-S-50 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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