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DIAMMIN KLG-100

Technical Data Sheet No. 3355 – November 2015

sasol

Product Description

DIAMMIN KLG-100 is a mono oleyl amine polyethyleneglycol ether, based on Oleyl amine and ethylene oxide (about 13 moles). It is manufactured in Terranova dei Passerini (LO) plant.

CAS registry no. 26635-93-8
EINECS no. 931-965-4

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	Visual	-	Cloudy liquid
√ Colour	MPL 1002.0	Gardner	≤ 10
Physical state changement	MPL 1001.0	°C	≤ 0
√ Cloud point (1% in NaCl 10%)	MPL 2001.0	°C	78 – 82
√ Alcalinity number	MPL 1009.0	mg KOH / g	62 – 68
Molecular weight	Calculated	g/mol	825 – 905
√ Free Water (Karl Fischer)	MPL 1006.0	% mass	≤ 0,50

√ value reported on inspection certificate.

¹ specification No. 4350 rev. 1 of June 1st 2001.

Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content	Calculated	%w/w	69
Viscosity at 50°C	ASTM D445 / ASTM D7042	cSt	56
Density at 25°C	ASTM D7042 / ASTM D4052	kg/m ³	1.000
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.



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Main Applications

In textile and leather applications, DIAMMIN KLG-100 is used as levelling and equalizing agent for high substantivity dyes, like the direct ones for cotton and cotton/PES.

Handling and Storage

DIAMMIN KLG-100 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 darkening phenomena.

DIAMMIN KLG-100 is a cloudy liquid at room temperature and it becomes homogeneous and transparent at about 40°C. DIAMMIN KLG-100 becomes a solid wax at temperature lower than 0°C.

Avoid also contact with strong oxidizers and strong acids.

Shelf-life is 24 months from production date for product in its original and sealed packaging.

Packaging

DIAMMIN KLG-100 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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