

DIAMMIN[®] KLG-6

Technical Data Sheet No. 3352 – November 2012

Description

DIAMMIN[®] KLG-6 is a mono oleyl amine polyethylenglycol ether (6 EO moles). It is manufactured in Terranova dei Passerini (Lodi, Italy) plant.

CAS registry no. 26635-93-8

Sales Specification

Property	Test Method	Unit	Guaranteed Value¹
√ Appearance at 25°C	visual	-	Clear liquid
√ Colour	MPL 1002.0	Gardner	≤ 10.0
√ Cloud Point ^a	MPL 2001.0	°C	45 - 50
√ Alkalinity number	MPL 1009.0	mg KOH/g	100 - 110
Average Molecular weight	calculated	g/mol	510 - 561
√ Water (Karl-Fisher)	MPL 1006.0	% weight	≤ 0.50
Physical state changement	MPL 1001.0	°C	≤ - 5

√ values reported on inspection certificate.

¹ specification No. D004320 rev. 1 of June 1st, 2001.

^a 5 wt% in water.

Additional Properties

Property	Test Method	Unit	Typical Value
Viscosity at 25°C	RCM 3633	cSt	115
Density at 25°C	RCM 3663	kg/l	0.967
Ethylene Oxide content	calculated	%w/w	52

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

DIAMMIN[®] KLG-6 is used in textile application as emulsifier and levelling agent in dyeing process.

Handling and Storage

DIAMMIN[®] KLG-6 should be preferably stored in heated stainless steel or plastic tanks, it is suggested to keep in a dry, cool and well-ventilated place.

It is a clear liquid at room temperature and it becomes a turbid liquid at temperature below than 12°C and a solid at temperature below -5 °C. Improvement of storage stability at low temperature can be achieved by mixing DIAMMIN[®] KLG-6 with water. In particular, the addition of 5 wt% of water makes this product a transparent liquid up to a temperature of -6°C.

It is preferable to avoid heating above 60°C and to store under nitrogen in order to minimise darkening phenomena. 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[®]-6 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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