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DIAMMIN KLG-11154

Technical Data Sheet No. 3356 – November 2015

Product Description

DIAMMIN KLG-11154 is a mono oleyl amine poly-glycol ether, based on Oleyl amine, ethylene oxide and propylene oxide. It is manufactured in Terranova dei Passerini (LO) plant.

EINECS no. 935-628-2

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	Visual	-	Clear liquid
√ Colour	MPL 1002.0	Gardner	≤ 10
Physical state changement	MPL 1001.0	°C	≤ 0
√ Cloud point (1% in water)	MPL 2001.0	°C	68 – 72
√ Alcalinity number	MPL 1009.0	mg KOH / g	48 – 52
Molecular weight	Calculated	g/mol	1.080 – 1.170
√ Free Water (Karl Fischer)	MPL 1006.0	% mass	≤ 0,50

√ value reported on inspection certificate.

¹ specification No. 4365 rev. 1 of June 1st 2001.

Additional Properties

Property	Test Method	Unit	Typical Value
Viscosity at 25°C	ASTM D445 / ASTM D7042	cSt	176
Density at 25°C	ASTM D7042 / ASTM D4052	kg/m ³	1.020
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

DIAMMIN KLG-11154 is used as hydrotrope in detergent field, in particular in Hard Surface Cleaner formulation it improves clearness at low temperature.

Handling and Storage

DIAMMIN KLG-11154 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-11154 is a clear liquid at room temperature and it becomes a solid wax at temperature lower than 0°C. Improvement of appearance and handling at low temperature can be achieved by mixing the product with 30 weight% water to obtain a clear liquid up to a temperature about -8 °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-11154 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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