



# NEODOL<sup>®</sup> LM-9

## Primary Alcohol Ethoxylate

Issued: August 2013

CAS Number: 68551-12-2

SICC Product Code: Z6006

Manufacturing locations:

- Singapore (EGS)

### Description:

- NEODOL LM -9 is based on detergent alcohols derived from oleochemical processes, with an average of approximately 9 moles of ethylene oxide per mole of alcohol. The typical range of C16 in the starting alcohol is 0-2 %.

Specification Properties <sup>a</sup>	Property	Unit	Value
	Appearance		LCSH <sup>b</sup>
	Color, Pt-Co		<35
	Water	%m/m	<0.1
	Hydroxyl Number	mgKOH/g	90 – 100
	Ash	%m/m	<0.2
	Acid value	mgKOH/g	0.05 – 0.20
	Polyethylene glycol	%m/m	<2

a: An official sales specification is available from your local Shell Chemicals representative.

b: Liquid, clear to slightly hazy

Typical Properties	Property	Unit	Value
	Density @ 50 °C	kg/L	0.982
	Cloud Point, 1% in H <sub>2</sub> O	°C	75 – 89
	Flash Point, PMCC	°C	202
	Pour Point	°C	24
	HLB number		13.6
	Kinematic Viscosity @ 50 °C	cSt	24.3



## Storage and Handling

Advice on the storage and handling of NEODOL alcohol ethoxylates can be found on our web site at [www.shell.com/chemicals/neodol](http://www.shell.com/chemicals/neodol) or by contacting your local Shell Chemicals representative.

## Hazard Identification

NEODOL alcohol ethoxylates are eye irritants. While these products show only slight to moderate skin irritancy, prolonged and repeated contact can dry and de-fat the skin resulting in dermatitis. NEODOL alcohol ethoxylates show low to moderate oral, skin and respiratory toxicity. Before handling the product refer to the Safety Data Sheet, which is available online or from your local Shell Chemicals representative.

## Emergency Helpline

For emergency telephone numbers refer to the Safety Data Sheet relevant for your company's country and language.

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