



Data Sheet

SICC Product Code: V2531

Updated: December 2008

Product Name	NEODOL LM 1214-3			
Category	Oleo Alcohol Ethoxylate			
Description	<ul style="list-style-type: none"> NEODOL LM 1214-3 ethoxylate is based on detergent alcohols derived from oleochemical processes, with an average of 2.75 moles of ethylene oxide per mole of alcohol. The typical content of C16 alcohol is in the range of 4-8 %. NEODOL LM 1214-3 and its sulfate are suitable for a variety of applications, including personal care products (shampoos and body wash), agricultural surfactants and adjuvants, and household cleaning. 			
Typical Chemical Properties ^a	Property	Unit	Value	Method
	Hydroxyl number	mg KOH/g	174-180	SMS 1848
	Molecular mass	g/mol	312-322	SMS 1848
	EO/Alcohol ratio	mol/mol	2.6-2.9	SMS 1848
	Color	Pt-Co	30 max	ASTM D1209
	Water	%m/m	0.1 max	ASTM E1064
	Polyethylene glycol	%m/m	1 max	SMS 1528
	Appearance	Visual	LCSH ^b	Visual
	Acid number	mg KOH/g	0.05-0.20	SMS 2912
	<p>^a: An official sales specification is available from your local Shell Chemicals representative ^b: Liquid, clear to slightly hazy</p>			
Typical Physical Properties	Property	Unit	Value	Method
	Density @ 40°C	kg/l	0.906	ASTM D4052
	Flash Point	°C	157	ASTM D92
		°F	314	
	Pour Point	°C	6	ASTM D97
		°F	43	
	HLB Number		7.6	calculated
Viscosity, Kinematic @ 40°C	CST or mm ² /s	16	ASTM D 445	
Storage and Handling	<p>Advice on the storage and handling of Shell alcohol ethoxylates can be found on our web site at www.shell.com/chemicals/neodol or by contacting your local Shell Chemicals representative.</p>			

Hazard Identification	<p>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. Alcohol ethoxylates are of 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.</p>
Emergency Helpline	<p>Europe (Rotterdam) + 31 (0) 10 431 3233 Americas (United States) + 1 800 424 9300 Asia (Singapore) +65 6263 2974 Or call the emergency telephone number mentioned in the Safety Data Sheet relevant for your company's country and language.</p>
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