



Stepan's AMMONYX® Amine Oxides - Physical Properties and Performance

Stepan Trade Name	Chemical Description	Viscosity at 25°C, cps ¹			Shake Foam, mL ²		Gardner Straight-line Washability, %Soil Removed ³		
		Sodium chloride, % by weight			No Oil	With Oil	Stroke 1	Stroke 5	Stroke 10
		0.5	1.0	2.0					
AMMONYX® CDO Special	Cocamidopropyl amine oxide	100	2,450	15,100	325	195	85	95	99
AMMONYX® DO	Decyl amine oxide	100	900	2,700	220	170	88	98	99
AMMONYX® LMDO	Lauryl/Myristyl amidopropylamine oxide	650	9,000	22,900	390	240	89	98	99
AMMONYX® LO	Lauramine oxide	6,700	18,200	550	330	180	89	98	98
AMMONYX® LO Special	Lauramine oxide	4,380	17,600	410	360	185	89	98	100
AMMONYX® MCO	Myristamine oxide	61,850	25,200	Cloudy	310	165	84	96	100
AMMONYX® MO	Myristamine oxide	20,200	25,850	Cloudy	315	190	87	97	99

1 = Formulation used for evaluation of viscosity: 6% active Sodium dodecyl benzene sulfonate, 6% active Sodium laureth sulfate-3 and 3% active Amine oxide, pH 8.0.

2 = Mechanical Shake Foam Test (SM010-D) was conducted using 0.20% active Amine oxide in Chicago tap water (150 ppm) at 25°C.

3 = Gardner Straight-line Washability Test was run per ASTM Method D4488-95-A5 (2001). The formulation used for evaluation: 0.5% active Amine oxide, 0.3% by weight Propylene glycol n-butyl ether, 0.2% by weight Sodium carbonate.

For more information or to request a sample, contact Stepan's U.S. Technical Service Department at 1-800-745-7837 (STEP) or techserv@stepan.com.

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