

ALFONIC 1214GC-2 Ethoxylate



Technical Data Sheet

Description

Sasol Chemicals ALFONIC 1214GC-2 Ethoxylate is a biodegradable nonionic derived from linear primary ALFOL 1214GC Alcohol. ALFONIC 1214GC-2 Ethoxylate is liquid at room temperature, essentially 100% active and has the following structural formula: $\text{CH}_3(\text{CH}_2)_x(\text{OCH}_2\text{CH}_2)_2\text{OH}$ where 'x' varies between 11 and 13.

Applications

ALFONIC 1214GC-2 Ethoxylate may be used in a wide array of applications including detergents, personal care, industrial and institutional cleaning and chemical processing.

Properties

Typical physical properties are listed in the table to the right. Actual properties will vary from lot to lot.

Contact information

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Typical properties	ALFONIC 1214GC-2
Avg. molecular weight, g/mol	283
Avg. EO content, wt. %	31
Free EO, ppm	1 max.
Hydroxyl number, mg KOH/g	187 - 207
Water, wt. %	0.1 max.
Glycol, wt. %	1 max.
Free alcohol, wt. %	17 – 32
Density, g/mL @ 40°C / 104°F	0.887
Flash point, °C (°F)	--
Cloud point, 1% in water, °C (°F)	23 (74)
Pour Point, °C (°F)	40 (104)
Viscosity, cSt @ 40°C / 104°F	13.2
pH, 5% in IPA/water	6 – 7.5
Color, APHA, mg Pt/L	50 max.
HLB, calculated	6.2
Wettability on cotton, seconds	--
Critical Micelle Concentration, mg/L	--
SFT, mN/m	--
Avg. Contact Angle on PTFE	--
Solubility in water, 2 wt. %	Insoluble

*Mix samples well before use.

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