

# ALFONIC 1214GC-2 Ethoxylate



SASOL

## 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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