

NOVEL 23AE1.5 Ethoxylate



Technical Data Sheet

SASOL

Description

Sasol Chemicals NOVEL 23AE1.5 Ethoxylate is a biodegradable nonionic derived from SAFOL 23 Alcohol and ethoxylated to an average of 1.5 moles of ethylene oxide. This ethoxylate is made using Sasol Chemicals patented NOVEL technology which yields narrow range products with lower free alcohol, PEG levels and melting ranges when compared to the traditional base-catalyzed methods. NOVEL 23AE1.5 Ethoxylate is liquid at room temperature and essentially 100% active.

Applications

NOVEL 23AE1.5 Ethoxylate may be used in a wide array of applications including as a high quality, biodegradable emulsifier, foaming agent and/or cleaner in a variety of household and industrial cleaning products. It can also be used in such industrial applications as textile and leather processing, plastics additives, paints and coatings, pulp and paper processing, metal cleaners, car wash products, agricultural adjuvants and circuit board cleaners.

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	NOVEL 23AE1.5
Avg. molecular weight, g/mol	259
Avg. EO content, wt. %	25.5
Free EO, ppm	5 max.
Hydroxyl number, mg KOH/g	211 - 221
Water, wt. %	0.1 max.
Glycol, wt. %	1 max.
Free alcohol, wt. %	25 max.
Density, g/mL @ 40°C / 104°F	--
Flash point, (PM), °C (°F)	> 145 (293)
Cloud point, 10% in BDG, °C (°F)	38 (100)
Pour point, °C (°F)	-21 -- -12 (-6 - 10)
Viscosity, cSt @ 40°C / 104°F	12.643
pH, 1% in IPA/water	6 - 8
Color, APHA, mg Pt/L	50 max.
HLB, calculated	5.1
Wettability on cotton, seconds	255
Critical Micelle Concentration, mg/L	112.32
SFT, mN/m	26.5
Avg. Contact Angle on PTFE	39.71
Solubility in water, 2 wt. %	Soluble

**Mix samples well before use.*

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