

NOVEL 23E7 Ethoxylate



SASOL

Technical Data Sheet

Description

Sasol Chemicals NOVEL 23E7 Ethoxylate is a biodegradable nonionic derived from SAFOL 23 Alcohol and ethoxylated to an average of 7 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 23E7 is liquid at room temperature and essentially 100% active.

Applications

NOVEL 23E7 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 may 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 23E7
Avg. molecular weight, g/mol	501
Avg. EO content, wt. %	62
Free EO, ppm	1 max.
Hydroxyl number, mg KOH/g	104 – 112
Water, wt. %	0.1 max.
Glycol, wt. %	1 max.
Free alcohol, wt. %	1 max.
Density, g/mL @ 40°C / 104°F	0.979
Flash point, °C (°F)	>163 (325)
Cloud point, 1% in water, °C (°F)	62 (144)
Pour Point, °C (°F)	8.5 (47.3)
Viscosity, cSt @ 40°C / 104°F	27.88
pH, 1% in IPA/water	6 – 8
Color, APHA, mg Pt/L	50 max.
HLB, calculated	12.4
Wettability on cotton, seconds	23
Critical Micelle Concentration, mg/L	38.92
SFT, mN/m	31.1
Avg. Contact Angle on PTFE	52.05
Solubility in water, 2 wt. %	Soluble

**Mix samples well before use.*

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