

SAFOL 23E7 Ethoxylate



SASOL

Technical Data Sheet

Description

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

The narrow range version of this ethoxylate made using Sasol Chemicals patented NOVEL catalyst technology is also available.

Applications

SAFOL 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	SAFOL 23E7
Avg. molecular weight, g/mol	501
Avg. EO content, wt. %	61.5
Free EO, ppm	1 max.
Hydroxyl number, mg KOH/g	108 – 116
Water, wt. %	0.1 max.
Glycol, wt. %	2 max.
Free alcohol, wt. %	3 max.
Density, g/mL @ 40°C / 104°F	0.976
Flash point, °C (°F)	>163 (325)
Cloud point, 1% in water, °C (°F)	54 (129)
Pour Point, °C (°F)	12 (53)
Viscosity, cSt @ 40°C / 104°F	28.4
pH, 5% in IPA/water	6 – 8
Color, APHA, mg Pt/L	50 max.
HLB, calculated	12
Wettability on cotton, seconds	21
Critical Micelle Concentration, mg/L	28.83
SFT, mN/m	27.89
Average Contact Angle on PTFE	27.6
Solubility in water, 2 wt. %	Soluble

**Mix samples well before use.*

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