

# SAFOL® 23E12 Ethoxylate

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reaching new frontiers



## Technical Data Sheet

### Description

Sasol North America Inc.'s SAFOL® 23E12 Ethoxylate is a biodegradable nonionic derived from SAFOL® 23 Alcohol and ethoxylated to an average of 12 moles of ethylene oxide. It is essentially 100% active unless diluted with water. It is a slightly hazy liquid that is readily soluble in water.

The narrow range, or "peaked," version ethoxylates made using Sasol North America Inc.'s patented NOVEL® technology are also available.

### Applications

SAFOL® 23E12 Ethoxylate can be used in a wide variety of applications. It can be used as a high quality, biodegradable emulsifier, foaming agent, and/or cleaner in a wide variety of household, as well as, 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 may vary from lot to lot.

### Contact Information

For technical information or samples:

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Typical Properties	SAFOL® 23E12
Average Molecular Wt.	721
Color, APHA	< 50
Hydroxyl Number	73 – 83
Water, Wt %	< 0.1
Glycol, Wt %	< 2
Free Alcohol, wt%	< 1
Density, g/mL @ 40°C	0.9375
Flash Point (PM), °C (°F)	>177 (>350)
Cloud Point, 1% in Salt, °C (°F)	65 (149)
Melting Range, °C (°F)	28 – 31 (82.4 – 87.8)
Boiling Point, °C (°F)	> 260 (> 500)
Viscosity, cSt @ 40°C	51.744
pH, 5% in IPA / Water	6 – 8
Vapor Density	20
Avg. EO Content, moles	12
Avg. EO Content, Wt. %	73.2
Free EO, PPM	< 2
HLB, calculated	14.6

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For detailed safety and handling information regarding these products, please refer to the respective Sasol North America Material Safety Data Sheet.

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