

NOVEL® 23E7 Ethoxylate

Technical Data Sheet

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Description

Sasol North America Inc.'s NOVEL® 23E7 Ethoxylate is a biodegradable, nonionic surfactant derived from SAFOL® 23 Alcohol and ethoxylated to an average of 7 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 of this ethoxylate is made using Sasol North America Inc.'s patented NOVEL® technology. The NOVEL® ethoxylates have lower odor, less polyethylene glycol, and lower melting points when compared to ethoxylates produced with conventional catalysts.

Applications

NOVEL® 23E7 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

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Typical Properties	NOVEL® 23E7
Average Molecular Wt.	501
Color, APHA	< 50
Hydroxyl Number	108 – 116
Water, Wt %	< 0.1
Glycol, Wt %	< 1
Free Alcohol, Wt %	< 2
Density, g/mL @ 20°C	0.99
Flash Point (PM), °C (°F)	>204 (>400)
Cloud Point, 1% in H ₂ O, °C (°F)	59 (138)
Melting Range, °C (°F)	-1 to 5 (30 – 41)
Boiling Point, °C (°F)	> 260 (> 500)
Viscosity, cSt @ 40°C	27
pH, 1% in IPA / Water	6 – 8
Vapor Pressure, psi @ 65°C	0.003
Vapor Density	17
Avg. EO Content, moles	7
Avg. EO Content, Wt %	62
Free EO, ppm	< 1
HLB, calculated	12

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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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