

NOVEL® 23E4 Ethoxylate

SASOL
reaching new frontiers



Technical Data Sheet

Description

Sasol North America Inc.'s NOVEL® 23E4 Ethoxylate is a biodegradable, nonionic surfactant derived from SAFOL® 23 Alcohol and ethoxylated to an average of 4 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 the ethoxylate is made using Sasol North America Inc.'s patented NOVEL technology. Safol 23 ethoxylates made using KOH ethoxylation catalyst are also available.

Applications

NOVEL® 23E4 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® 23E4
Average Molecular Wt.	370
Color, APHA	< 50
Hydroxyl Number	147-157
Water, Wt %	< 0.1
Glycol, Wt %	< 1
Free Alcohol, Wt %	< 5
Density, g/mL @ 20°C	0.95
Flash Point (PM), °C (°F)	>180 (360)
Cloud Point, 10% in 25% Butyldiglycol solution, °C (°F)	72 (161.6)
Melting Range, °C	-37 to -33
Boiling Point, °C (°F)	>260 (>500)
Viscosity, cSt @ 40°C	17.5
pH, 1% in IPA / Water	6 – 8
Vapor Pressure, psi @ 65°C	0.02
Vapor Density	13
Avg. EO Content, moles	4
Avg. EO Content, Wt %	48
Free EO, ppm	< 1
HLB, calculated	9.6

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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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