



PERFORMATHOX Ethoxylates

Specialty polymers and waxes to meet your needs

Typical properties

Product	INCI name	Melt point (°C)	Hydroxyl number (mg KOH/g sample)	Ethylene oxide (% by weight)	HLB
PERFORMATHOX™ 420 ethoxylate	C ₂₀₋₄₀ Pareth-3	90	80	20	4
PERFORMATHOX™ 450 ethoxylate	C ₂₀₋₄₀ Pareth-10	90	50	50	10
PERFORMATHOX™ 480 ethoxylate	C ₂₀₋₄₀ Pareth-40	88	20	80	16
PERFORMATHOX™ 490 ethoxylate	Polyethylene C ₂₀₋₄₀ Pareth-95	70	10	90	18

Description

PERFORMATHOX™ ethoxylates are non-ionic ethoxylated linear alcohols with excellent surface activity. They are compatible with other cationic, anionic and non-ionic emulsifiers.

Product benefits

The hydrophobic and hydrophilic components of PERFORMATHOX ethoxylates give functionality which provides many advantages for formulators.

Feature	Benefit
Long hydrophilic chain	<ul style="list-style-type: none"> • Ability to emulsify polymers, waxes and oils (silicone, vegetable and synthetic) • Ability to disperse solid particles and pigments • Conditioning effect on hair and skin • High temperature stability
Long hydrophobic chain	<ul style="list-style-type: none"> • Non-ionic surfactant • Stability over wide pH range • Ability to disperse very acidic or basic polymers

Applications

PERFORMATHOX ethoxylates are available in a wide range of HLB's to deliver customized formulation solutions as primary or secondary surfactants. These products can thicken and structure water or oil-based systems, depending on their ethoxylate content. They tolerate high salt and high and low pH conditions. The ability of 480 and 490 to produce clear sticks in hydro-alcoholic systems is particularly unique. In addition to their thickening properties, PERFORMATHOX ethoxylates are excellent pigment dispersants for color cosmetics. They also impart a conditioning effect on skin and hair. Recommended use levels are 0.25 - 10%.

Product availability

The standard package size is a 55 lb bag. 16 oz samples are also available.

Other packages are available upon request.

Safety data

Material Safety Data Sheets and product safety information can be requested by visiting us at www.newphasepolymers.com

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Because it has become common for purchasers of our products to file patents for specific end uses of our polymer products, Baker Hughes advises its customers to research their particular end use for possible intellectual property issues with respect to third party patents.

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