



Ethoxybrite SLES 100% biobased

Sodium lauryl ether sulphate

CAS nr: 68891-38-3
Einecs nr: 500-234-8; polymer

Product information

Synonyms: fatty alcohol ethoxylate sulphonated; poly oxy ethylene alkyl alcohol sulphonated; poly ethylene alkyl ether, $RO(OCH_2CH_2)_nSO_3Na$ with R=C12-C14 and n=1-2-3, in which R is the fatty alcohol chain and n is the average number of moles ethylene oxide per molecule.

Ethoxylated fatty alcohols are mild, non-ionic surfactants based on RSPO-MB palm kernel oil. When sulphonated, the result is the most used anionic surfactant in liquid detergents; SLES.

Sirius International and its partners managed to perform the ethoxylation and sulphonation steps by exclusively adding ethylene oxide from a vegetal source and sulphur exclusively from a natural source as well. No petrochemistry is involved in our Ethoxybrite SLES products. As such, Ethoxybrite SLES biobased is the ideal raw material for any green, 100% sustainable, ecologically certified hand soap or other liquid detergent.

Product specifications

Test parameter	Ethoxybrite SLES.1EO-70% Ethoxybrite SLES.2EO-70% Ethoxybrite SLES.3EO-70%	Ethoxybrite SLES.1EO-28% Ethoxybrite SLES.2EO-28% Ethoxybrite SLES.3EO-28%
Appearance	Opaque viscous fluid, free from suspended matter	Opaque viscous fluid, free from suspended matter
Odour	Mild characteristic to match with standard	Mild characteristic to match with standard
Colour, klett 5% active matter so/n	max 10	max 10
pH of 4% aqueous solution @ 24.8-25.2 °C	6.0 – 7.5	min 11
Chloride, as NaCl, %	max 0.1	max 0.04
Sulfate, as Na ₂ SO ₄ , %	max 1.0	max 0.4
Cloud point, upon dilution to 26% AM, °C	0	0

Clear point, upon dilution to 26% AM, °C	max 5.0	max 5.0
Transmittance (upon dilution 26% AM), 28-32 °C, %	min. 85	min. 85
Clarity test (upon dilution 26% AM), 28-32 °C	Clear	Clear

Please ask us for the specifications of your specific EO-number and concentration.

[Change specifications](#)

Commercial

Packaging: 200liter drums, 1000liter IBC's, 24mt ISO tank container (bulk)
Lead time: 8 weeks

Sirius is member of the RSPO, the international Round table of Sustainable Palm Oil. This institution certifies palm oil products, such as soap noodles and ethoxylated fatty alcohols, which are planted, harvested and produced sustainably, with protection of nature and workers.

Technical

Ethoxybrites are liquid raw materials and ideal for use in liquid detergents. Ethoxybrites should be added to water while stirring. When water is added to Ethoxybrite, the viscosity of the solution can temporarily increase.

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