

Ethoxybrite CS80

Ethoxylated fatty alcohol

Product information

Synonyms: Alcohols, C16-18, ethoxylated, alkyl polyglycol ether

Ethoxybrites are mild, non-ionic surfactants. De mildness is the consequence of non-ionics not having strong electrical charges. They are suitable for:

- Cleaning wool and other delicate fabrics
- Cleansing face, hands and other skins
- Emulsifying of other ingredients in detergents and cosmetics
- Wetting skin and hair in cosmetic products

Ethoxybrite CS80 was developed to render solid cleaning blocks a stable solid form with high cleaning power. For example soap bars and toilet blocks. Its higher degree of ethoxylation makes Ethoxybrite CS80 a more aggressive cleaner than lower ethoxylated versions. The larger part of its raw materials is of vegetal (sustainable) sources. As such Ethoxybrite CS80 is the ideal raw material for any green detergent.

The higher the cloud point, the higher the solubility of ethoxylated fatty alcohols in water. We refer to our range Ethoxylated EFA. The cloud point is the temperature at which an aqueous solution of a water-soluble surfactant becomes turbid. This is also the point at which the carbon chains acquire so much energy that they let go of each other. The non-ionic separates into its own phase. For maximum efficacy, Ethoxybrite's EFA should be used at temperatures at or just below their cloud point. Optimizing micelle formation can limit the chain lengths of ethoxylated fatty alcohols that are available for your application. Our Ethoxybrite EFA line has a number of chain lengths available so that one can tailor the non-ionic to do what is required.

Product specifications

Property	Ethoxybrite CS80
Appearance	Waxy flakes
Moisture content, %	1.00 max
pH (1% in water)	5.0 - 7.0
Hydroxyl value, mgKOH/g	20 - 25

Cloudpoint (0.5% in 10% NaCl), °C	73 - 79
Melting point, °C	rond 71
HLB-value	rond 17.9
Color (in 50% ethanol), Hazen	70 max

Commercial

Packaging: 25kg HDPE bags on pallets
Lead time: minimum 8 weeks

Technical

Ethoxybrite CS80 is manufactured from sustainable RSPO-MB palm kernel oil. Sirius is member of the RSPO, the international Round table for Sustainable Palm Oil. This institute rewards certificates for palmoil products, such as soap noodles and ethoxylated fatty alcohols, if they are sustainably grown, harvested and manufactured with protection of nature coming first.

De informatie in deze datasheet is naar onze beste wetenschap correct en accuraat. Aanbevelingen of suggesties worden gedaan zonder waarborg of garantie, aangezien de gebruiksomstandigheden buiten onze controle vallen.