



## Sultaines

### The Better Betaine

For decades Betaines have been used in a broad range of cleansing products from shampoos and body washes to bubble baths to facial cleansers. Betaines are known to provide mildness to sulfate systems and other formulations.

Betaines are widely used as they are well known, easy to formulate with and relatively inexpensive. We, at StarChem, manufacture various Betaines at our Wellford, South Carolina production facility. Building on one of our core company principles, “Our passion is innovation”, we strive to offer value-added solutions. As forward thinkers, we constantly look ahead to something better: **Sultaines!**

Sultaines/Hydroxysultaines are also known as Sulfobetaines. Compared to Betaines, Sultaines are more concentrated, higher active, self-preserved and biodegradable. Like Betaines, Sultaines are used to decrease the irritancy of the primary surfactant system. Sultaines are milder and provide better foam characteristics than Betaines. Sultaines also handle soil and hard water better and are more effective in removing sebum.

Hydroxysultaines are low color and low odor. They are compatible over a wide pH range with cationic, anionic and non-ionic surfactants. They are very mild and suitable for sensitive skin and baby formulations. Sultaines are strong building blocks used in Sulfate-free formulations.

- Foam booster/stabilizers
- Viscosity enhancer
- Antistatic agent

our passion is  
**INNOVATION**  
Value is Our Added Element



StarChem's Hydroxysultaines and Amphoteric are produced in the United States. The following product range is available:

- **StarSurf CAPHS** (cocamidopropylhydroxysultaine)
- **StarSurf CAPHS-50** (high active cocamidopropylhydroxysultaine)
- **StarSurf LAPHS** (lauramidopropylhydroxysultaine)
- **StarSurf LAPHS-50** (high active lauramidopropylhydroxysultaine)
- **StarSurf LS 176** (DSL version of StarSurf LAPHS-50)

At StarChem we offer formulation advice, customized molecules and individual solutions. Please contact us with your requirements.

### StarChemAmphoterics:

Classification	StarChem product	Chemistry
Amphoterics	StarSurf CAPB	cocamidopropylbetaine
Amphoterics	StarSurf CAPB-50	cocamidopropylbetaine high active
Amphoterics	StarSurf HCAPB	hydrogenated base cocamidopropylbetaine
Amphoterics	StarSurf LAPB	lauramidopropylbetaine
Amphoterics	StarSurf CAPHS	cocamidopropylhydroxysultaine
Amphoterics	StarSurf CAPHS-50	cocamidopropylhydroxysultaine
Amphoterics	StarSurf LAPHS	lauramidopropylhydroxysultaine
Amphoterics	StarSurf LAPHS-50	lauramidopropylhydroxysultaine
Amphoterics	StarSurf LS 176	lauramidopropylhydroxysultaine DSL version
Amphoterics	StarSurf CAPOx	cocamidopropylamine oxide
Amphoterics	StarSurf OAOx	octylamidopropylamine oxide
Amphoterics	StarSurf LOx	lauramine oxide
Amphoterics	StarSurf MOx	myristyldimethylamine oxide
Amphoterics	StarSurf LAPOx	laurylamidpropylamine oxide
Amphoterics	StarSurf LMAPOx	lauramidopropyl-myristamidopropylamine oxide
<i>Amphoterics</i>	<i>Erucic Betaine</i>	<i>In development - samples available upon request</i>

www.StarChemGlobal.com

To request a sample:

[starchemCS@star-na.com](mailto:starchemCS@star-na.com)

1-866-377-5269

**StarChem, LLC · 10150 Greenville Highway · Wellford, SC 29385 · Phone: 1-866-377-5269**

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