



Cola[®]Lux SAO

Alkanolamide Replacement

INCI Soyamidopropylamine Oxide
CAS 223707-70-8
LISTINGS USA (Personal Care Only); China (IECIC)

Cola[®]Lux SAO is an excellent foam booster for low-pH formulations with stable foaming at lower pH ranges. Enhanced foam and viscosity building properties are achieved by replacing alkanolamides commonly used in formulations. Cola[®]Lux SAO is a nonionic surfactant compatible with anionic and cationic systems and offers effective tolerance to electrolytes, permitting improved hard water performance.

APPLICATIONS

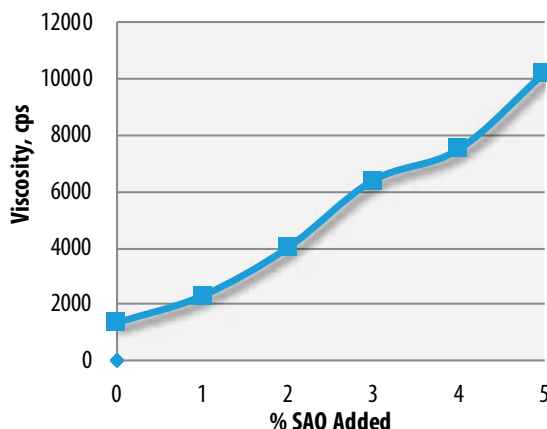
- Body Washes
- Hand Soaps
- Shampoos
- Mousses
- Lotions
- Pet Shampoos

TYPICAL PROPERTIES

Appearance, 25°C	Clear Yellow Liquid
pH (as is) @ 25°C	7.0
Amine Oxide, %	29
Free Amine, %	0.5
Free Peroxide, %	0.0
Color, Gardner BYK	3

VISCOSITY DEVELOPMENT

Cola[®]Lux SAO provides good viscosity response to formulations as shown in this test with 20% **Cola[®]Det EQ-18** (see formulation for INCI information).



FORMULATION

Color Protection Shampoo (Sulfate-Free) #1027

INGREDIENT	%
1 Water	qs to 100.00
2 Cola[®]Det EQ-18 <i>Decyl Glucoside, Cocamidopropyl Hydroxysultaine, Cocamidopropyl Betaine, Cocamide MIPA, Disodium Laureth Sulfosuccinate, Disodium Lauryl Sulfosuccinate</i>	30.00
3 Cola[®]Lux SAO <i>Soyamidopropylamine Oxide</i>	3.50
4 Cola[®]Lipid SAFL <i>Linoleamidopropyl PG-Dimonium Chloride Phosphate</i>	1.50
5 MIRASIL [®] ADMH-E 125 <i>Aqua and Propoxytetramethyl Piperidiny Dimethicone and Trideceth-6</i>	1.00
6 Microcare [®] SB <i>Sorbic Acid and Sodium Benzoate</i>	1.00
7 Fragrance	0.15
8 Citric Acid	qs

Mixing directions: Combine ingredients in order with moderate mixing. Adjust pH to 5.5 – 6.0 with citric acid.

Typical Properties: Appearance: Clear Liquid; pH: 5.5; Viscosity: 4,500 cps

STORAGE AND HANDLING

Store in closed containers above 45°F and below 120°F. Cola[®]Lux SAO is shipped in 55 gal. poly drums (net weight 450 lb./204 kg.) or totes. Shelf life is 12 months from date of manufacture. A Safety Data Sheet is available upon request.

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Innovative Specialty Surfactants

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