Isethionate Surfactant

Pureact LAA

INCI Name: Sodium Lauroamphoacetate

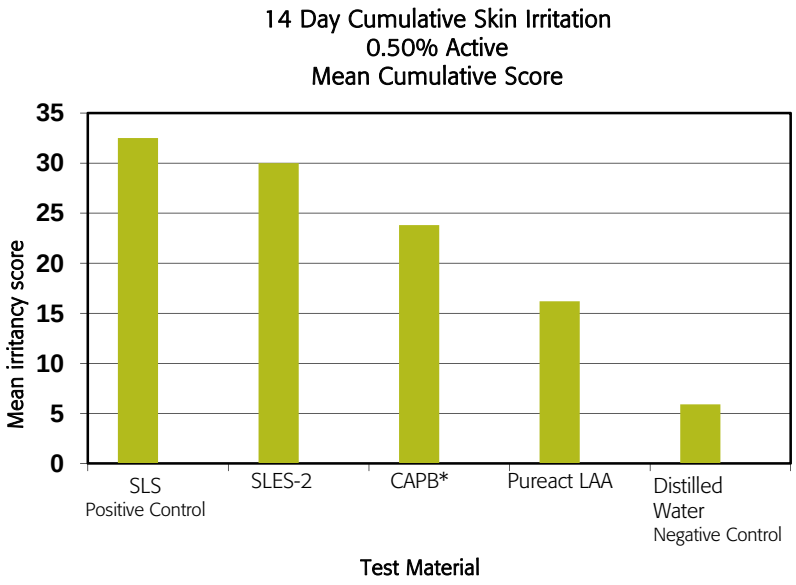
CAS No.: 68608-66-2

Pureact LAA is an amphoteric surfactant used in personal care products as well as in household and industrial applications. It is a mild surfactant with high foaming properties and the unique ability to reduce irritation from other co-surfactants. This makes it ideal for use in shampoo and cleanser formulations.

Typical use levels range from 1-30%.

Performance Benefits

Pureact LAA has excellent compatibility with anionic, non-ionic and cationic surfactants. It is soluble in water and water/ethanol solutions and stable over a wide pH range.



*CAPB = Cocamidopropyl Betaine

TYPICAL PROPERTIES

Not intended for use in preparing specifications

Appearance @25°C	Clear light colored liquid
Viscosity @ 25°C, cps	1400-5000
Color, GARDNER	3 maximum
Solids (moisture balance)	39-39
pH, 10% in water	9.0-9.5
Sodium Chloride, %	6.5-7.6

innospec

Sulfate-Free Shampoo
AC135

	INCI Ingredients	Tradename (Supplier)	% w/w
A	Water		q.s to 100
	Sodium Lauroyl Methyl Isethionate	Iselux®-LQ-CLR (Innospec)	30.00
	Sodium Lauroamphoacetate	Pureact LAA (Innospec)	4.00
	Cocamidopropyl Betaine (35% soln)	Mirataine BET C-30 (Rhodia)	9.00
B	Glycerin		1.50
	Polyquaternium-10	Ucare Polymer JR-125 (Dow)	0.20
C	Preservative		q.s
D	Citric acid (50% soln)		q.s. to pH 5.5-6.0
E	Sodium Chloride		0.20

Preparation Procedure

1. Blend ingredients of phase A, one at a time, into system and mix until uniform.
2. Add the pre-mix B and mix until uniform
3. Add Preservative and mix until uniform
4. Adjust pH of the system to 5.5-6.0 with a 50% citric acid solution as needed.
5. Add sodium chloride incrementally as needed to increase viscosity and mix thoroughly.

Properties

Appearance	Clear solution
pH	5.5-6.0
Viscosity*	4,000-8,000 cps

* Brookfield DV-E@10 rpm, 25 °C, #3 spindle

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 Issue No. 4 /2010