

Taurate Surfactant

Pureact MS

Sodium Methyl Oleoyl Taurate

CAS No.: 61791-41-1 EINECS No.: 263-173-3

Pureact MS is an effective detergent with good wetting and emulsifying properties. It has a soap-like action, but because of its structure, it is highly resistant to water hardness and to heavy metal salts. In hard water, it can prevent the precipitation of lime-soaps and the resultant scum formation.

Performance Benefits

Pureact MS is stable to acids and alkali and is resistant to bleaching agents, such as hydrogen peroxide, sodium hypochlorite, etc.

Ross miles foam test in millimeters at 50°C

Conc. Wt. % Product	Initial Foam	Foam After 5 minutes
0.05	80	75
0.10	110	100
0.15	130	120
0.20	160	135



TYPICAL PROPERTIES

Not intended for use in preparing specifications

Appearance @ 25°C	Off-white soft paste with mild, fatty odor. Stratifies upon standing.
Active Ingredient, %	32 – 33.5
pH, 1% SOLUTION	7.0-8.0
Sodium Chloride, %	6-9
Total Solids, %	42-48

Suggested Formulation

Moisturizing Crème Shampoo AC154

This viscous, pearlescent shampoo is prepared from all naturally derived ingredients. It provides a dense creamy lather and leaves the hair soft and manageable.

	INCI Ingredients	Tradename (Supplier)	% w/w
1	Water		q.s.
2	Guar Hydroxypropyltrimonium Chloride	Activsoft C-17 (Innospec)	0.20
	Glycerin		0.70
	Cyamopsis Tetragonoloba Guar Gum	Activsoft S (Innospec)	0.35
	Cocamidopropyl Betaine	Mirataine BET C-30 (Rhodia)	10.00
3	Sodium Methyl Oleyl Taurate	Pureact MS (Innospec)	8.00
4	Sodium Lauroyl Methyl Isethionate	Iselux-LQ-CLR(Innospec)	30.00
5	Glycol Distearate	Ethylene Glycol Distearate (Cedar)	1.50
6	Fragrance, Dye, Preservative		q.s.
7	Citric acid solution (50%)		q.s. to -pH 5.5-6.5
8	Sodium Chloride		q.s.

Preparation Procedure

1. Charge D.I. Water into mixing vessel. With rapid but smooth agitation, slowly sift **ACTIVOSOFT C-17** into water. Mix until uniform.
2. In a separate vessel prepare a slurry of Glycerine and **ACTIVOSOFT S**. Once completely uniform add Mirataine BET-C-30 and mix thoroughly. With smooth agitation slowly add this mix to the main water system. Begin heating system to 45-50°C.
3. With smooth agitation, slowly blend **PUREACT MS** into system. Mix until uniform.
4. With smooth agitation, slowly blend **ISELUX LQ-CLR** into system and mix until uniform. Continue heating system with mixing to 70-75°C.
5. With rapid but smooth agitation, slowly blend EGDS flakes into main system. Mix until uniform and remove heat. Cool system with smooth agitation to 30-40°C with smooth agitation.
6. Blend in compatible Fragrance, Dyes and Preservative.
7. Adjust pH of system to 5.5-6.5 with 50% Citric Acid solution as required.
8. Adjust formulation viscosity to 12,000 to 20,000 cps (at 25°C) with incremental additions (0.1% increments) of Sodium Chloride as desired.

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