

## Rheology Modifier

### Aminol® CM Flakes

INCI Name: Cocamide MEA

CAS No.: 68140-00-1 EINECS No.: 268-770-2

Aminol® CM Flakes is a superamide for use in personal care products, such as shampoos, bubble baths and liquid hand soaps.

Aminol® CM Flakes is used as a foam booster and stabilizer, lime soap dispersant, thickener and viscosity builder and gelling agent. It also has good detergency and enhances wetting properties when used in combination with other surface active agents.

#### Performance Benefits

Aminol® CM Flakes is nonionic in nature and is compatible with solvents and ionic substances, such as soaps, hydrotropes, sequestering agents, alkalis, phosphates, etc.

#### SOLUBILITIES (10% Concentration @ 65°C)

White Mineral Oil	Soluble
Water	Dispersable
Ethyl Alcohol	Soluble
Aromatic Hydrocarbons	Soluble
Chlorinated Hydrocarbons	Soluble
Mineral Spirits	Soluble
Natural Oils & Fats	Soluble



#### TYPICAL PROPERTIES

Not intended for use in preparing specification

Appearance @ 25°C	Light tan flakes
Color, Gardner	4 maximum
Alkalinity, mg KOH/g	9.5 maximum
Acidity, mg KOH/g	1 maximum

## Suggested Formulas

### AC127 Body Wash – Structured Formulation

This body wash is a mild sulfate-free cleanser featuring Iselux® and Pureact WS Conc to produce a dense creamy lather upon application. It demonstrates how Iselux® can be used in structured formulations allowing higher levels of oils to be used. The Activsoft C-17 imparts a soft, elegant feel to the skin and also helps improve the foam quality. The Activsoft S and the Aminol CM flakes thicken this formulation and help stabilise the foam. The Finsolv® TN acts as a mild solubilising agent to gently remove soils from the skin as well as to provide conditioning. Natrlquest E30 is Innospec's biodegradable chelating agent.

	INCI Ingredients	Tradename (Supplier)	% w/w
A	Water		q.s.
	Trisodium Ethylenediamine Disuccinate	Natrlquest™ E30 (Innospec)	0.15
B	Sodium Chloride		4.00
C	Guar Hydroxypropyltrimonium Chloride	Activsoft C-17 (Innospec)	0.20
D	Disodium Cocoamphodiacetate	Miranol C2M Conc. N.P. (Rhodia)	7.50
E	Sodium Methyl Cocoyl Taurate	Pureact WS Conc. (Innospec)	7.50
F	Cyamopsis Tetragonoloba Guar Gum	Activsoft S (Innospec)	0.35
	Glycerin		1.00
G	Sodium Lauroyl Methyl Isethionate	Iselux® (Innospec)	12.50
H	Cocamide MEA	Aminol CM Flakes (Innospec)	3.50
I	Cocamidopropyl Betaine	Mirataine BET C-30 (Rhodia)	10.00
J	Canola Oil	Rita Canola Oil (Rita)	10.00
	C12-15 Alkyl Benzoate	Finsolv® TN (Innospec)	2.00
K	Preservative, dye(s), fragrance		q.s.
L	Citric acid (50% solution)		q.s. to – pH 5.0-5.6

### Preparation Procedure

1. Dissolve the Natrlquest E30 in deionised water
2. Dissolve sodium chloride in deionised water system
3. With smooth mechanical agitation slowly blend Activsoft C-17 in water system. Mix until completely dispersed and uniform.
4. Slowly blend Miranol C2M Conc into system. Mix until uniform. Warm system to 50-60°C with smooth mechanical agitation.
5. Slowly blend Pureact WS Conc into heated system and mix until completely dissolved.
6. In a separate mixing vessel combine Activsoft S and Glycerin. Mix into a soft slurry that is completely uniform. Slowly blend this pre-mix slurry into main system and mix until uniform.
7. Slowly blend Iselux® into system. Mix until uniform.
8. Slowly blend Aminol CM flakes into system. Mix until uniform, Remove heat.
9. Slowly blend Mirataine BET C-30 into system. Mix until uniform.
10. In a separate mixing vessel combine canola oil and Finsolv® TN. Mix until uniform and blend into main system with smooth agitation.
11. Add compatible fragrance, dye(s) and preservative.
12. Adjust pH of system to 5.0-6.0 with citric acid solution (50% Aq.) as required. The system should thicken noticeably with the pH adjustment. Mix for at least 30 minutes to reach final consistency.

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