



Amino acid based anionic surfactant

# AMISOFT® CS-22

*Natural, Mild, Eco.*

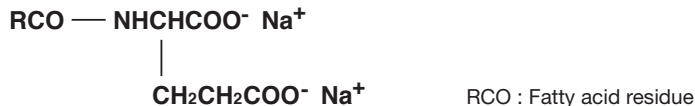

AMISOFT® CS-22 is a pioneer product of amino-acid-based weakly acidic surfactant. AMISOFT® CS-22 is an anionic surfactant produced from L-Glutamic acid (an amino acid) and plant-derived palm fatty acid.

## ■ PCPC INCI Name

DISODIUM COCOYL GLUTAMATE  
SODIUM COCOYL GLUTAMATE

The content of active ingredient: 25% in aqueous solution.

## ■ Molecular Structure



## ■ Characteristics of AMISOFT® CS-22

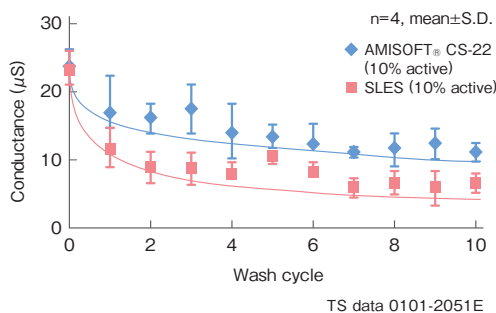
- Suitable as an additive for skin and facial cleansers containing SLES or fatty acid soap.
- AMISOFT® CS-22 has an excellent conditioning effect to the skin, leaving a moisturized feeling without tautness. It also has an excellent conditioning effect to the hair, leaving silky feeling without a dry, coarse feel.
- AMISOFT® CS-22 is usable in a wide pH range, even in a weakly acidic range.
- AMISOFT® CS-22 generates moderate to good foaming and is an effective additive to conventional surfactants improving their mildness.
- The characteristics of being plant-derived, friendly to human and earth (highly biodegradable) contributes to possibilities for new concept products.

## ■ Usage

- Body shampoo
- Facial cleansing gel
- Hair shampoo
- Facial cleansing foam
- Make-up cleansing
- Bar soap



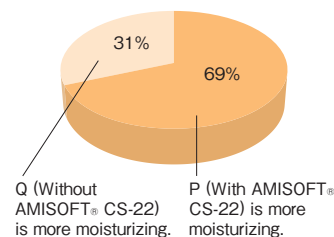
**AMISOFT® CS-22 does not cause skin dryness after heavy wash.**



**AMISOFT® CS-22 imparts moisturizing effect to a LES / CAPB-base cleansing formula.**

Test Formulation	P: With AMISOFT® CS-22	Q: Without AMISOFT® CS-22
Sodium Laureth Sulfate (27.5%)	12.5	12.5
Cocamidopropyl betaine (30%)	5.0	5.0
AMISOFT® CS-22 (25%)	2.5	-
Citric acid	q.s.	q.s.
Water	balance	balance
Total	100.0	100.0
pH	5.5	5.5

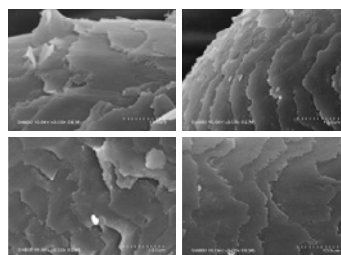
**Result of hand-wash test (n=16)**



**Addition of AMISOFT® CS-22 to an SLES-base hair shampoo improves wet combability, resulting in prevention of hair damage.**

Test Formulation	Without AMISOFT®	With AMISOFT®
Sodium Laureth Sulfate (27%)	34.0	24.0
Cocamidopropyl Betaine (30%)	10.0	10.0
AMISOFT® CS-22 (25%)	-	11.0
Other ingredients	6.7	6.7
Guar Hydroxypropyltrimonium Chloride (2%)	10.0	10.0
pH adjuster	q.s.	q.s.
Water	balance	balance
Total	100.0	100.0
pH	5.5	5.5

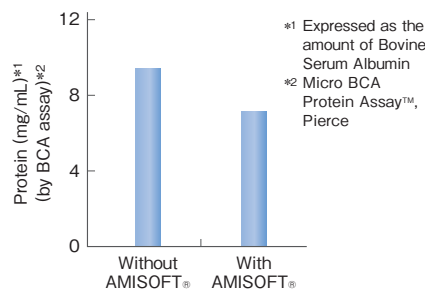
**SEM images of hair after extensive combing (3 x 1000times)**



a. Without AMISOFT® b. With AMISOFT®

TS data 0101-3700E

**Protein loss from hair**



**Material Information**

Product Name	Product Code	Chemical Name	CAS No.	Physical Form	Packaging	PCPC INCI Name	Composition (%)
AMISOFT®	CS-22	Sodium N-Cocoyl-L-Glutamate, Water	68187-30-4 (Disodium)	25% Aqueous Solution	18kg Can 200kg Drum 1t Container	Disodium Cocoyl Glutamate	20.0
			68187-32-6 (Sodium)			Sodium Cocoyl Glutamate	5.0
						Water	75.0

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