

# FROTHMEISTER® Series



Foam texture improver for detergent

## ◆ Feature

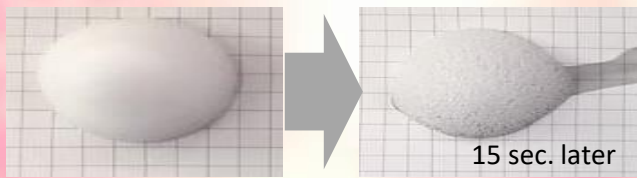
- Help to Create Rich & Long-Lasting Foam
- Fine foam is achieved in combination with anionic surfactant.
- Moisturizing and texture improvement (for skin care products).
- Lower-Irritation to Skin & Eyes

## ◆ Component

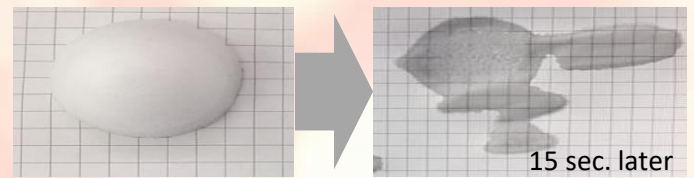
	FROTHMEISTER SP-10	FROTHMEISTER GC-48	FROTHMEISTER HG-375
INCI	PPG-10 SORBITOL	PPG-24-GLYCERETH-24	PPG-75-PEG-300 HEXYLENE GLYCOL
Optimal formula	Amino acid based	AES based	AES based

## ◆ Application data

### Improvement of foam retention

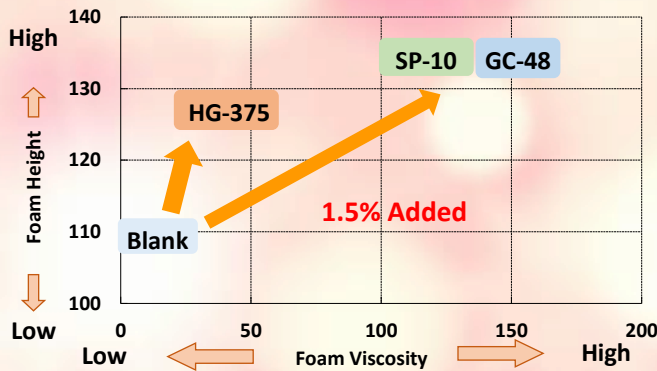


With FROTHMEISTER HG-375



Blank

### Foam Viscosity and Foam Height



#### ● Methods

< Foam Viscosity >

Hart-DeGeorge Method,  
Surfactants Concentration; 0.5wt%(Active Ingredient)

< Foam Height >

Mixer Method, Surfactants Concentration; 0.5 wt%  
(Active Ingredient)

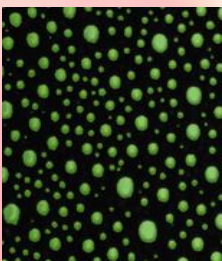
#### ● Formulation / Active(%)

Anionic Surfactants	10.5
Cocamidopropyl Betaine	4.5
FROTHMEISTER	1.5
Water	83.5
<b>Total</b>	<b>100.0</b>

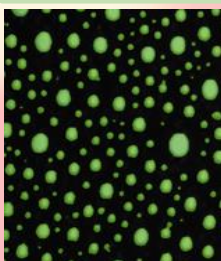
### Pictures of foam five seconds after stop of stirring

#### Sodium Laureth Sulfate

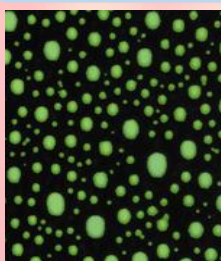
FROTHMEISTER HG-375



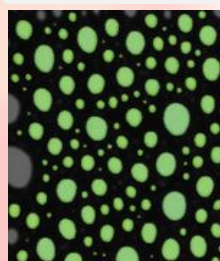
FROTHMEISTER SP-10



FROTHMEISTER GC-48



Blank



#### ● Methods

< Foam Size >

Dynamic Foam Analyzer (KRSS GmbH),  
Surfactants Concentration; 1.0 wt% (Active Ingredient)

< Foam Height >

Mixer Method,  
Surfactants Concentration; 0.5 wt% (Active Ingredient)

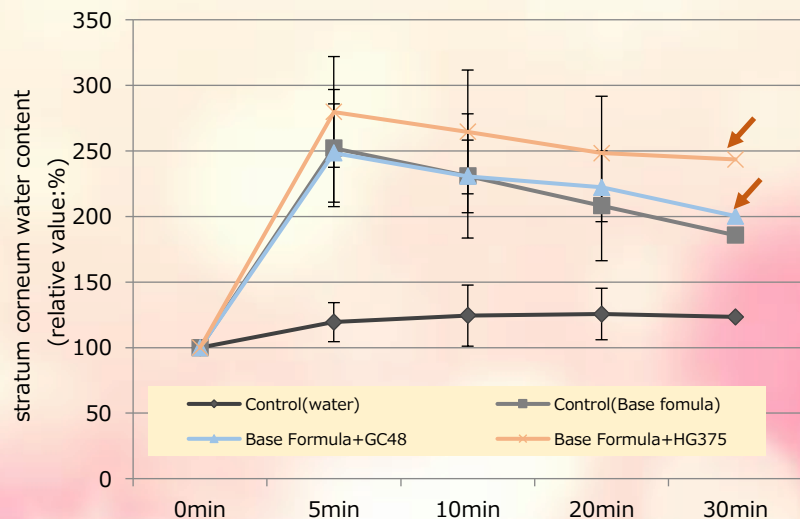
Excellent compatibility  
with amino acid-based  
anionic surfactants

# FROTHMEISTER® Series

Moisturizing and texture improvement (for skin care products)

## Application data

FROTHMEISTERS improve moisture content



FROTHMEISTERS can change the feel of the base formula

### ①Lotion

- ▶Base formula + HG-375(3%)  
"Rich feeling and moistness" is given.
- ▶Base formula + GC-348(3%)  
A sense of penetration is obtained.  
Skin familiarity improves.

### ②W/Si cream

- ▶Base formula + HG-375(3%)  
Rich feeling, also a sense of penetration is given.

### ③O/W Cream

- ▶Base formula + GC-48(3%)
- ▶Base formula + SP-10(3%)  
"Rich feeling, Moist feeling and elongation" is given.

## Formulas

### ●Foaming cleanser (pump type)

		(wt%)				
	INCI name	Sanyo's Products	Base	HG-375	GC-48	SP-10
A	Sodium Laureth-4 Carboxylate	BEAULIGHT LCA-25NH	6.00	6.00	6.00	6.00
	Sodium Lauryl Glycol Carboxylate	BEAULIGHT SHAA	8.00	8.00	8.00	8.00
	Cocamidopropyl Betaine	LEBON HC-30W	6.00	6.00	6.00	6.00
	PPG-75-PEG-300 Hexylene Glycol	FROTHMEISTER HG-375	-	5.00	-	-
	PPG-24-Glycereth-24	FROTHMEISTER GC-48	-	-	5.00	-
	PPG-10 Sorbitol	FROTHMEISTER SP-10	-	-	-	5.00
B	Lauric Acid		4.00	4.00	4.00	4.00
	Myristic Acid		1.00	1.00	1.00	1.00
C	50% KOH		4.57	4.57	4.57	4.57
	Glycerin		5.00	5.00	5.00	5.00
	Propylene Glycol		2.00	2.00	2.00	2.00
	EDTA-2Na		0.10	0.10	0.10	0.10
	Phenoxyethanol		0.40	0.40	0.40	0.40
	Water		62.93	57.93	57.93	57.93
	Total		100.00	100.00	100.00	100.00



### ● Super refreshing foam face wash (pump type)

		(wt%)	
	INCI name	Snyo's product	wt%
A	Sodium Laureth-4 Carboxylate	BEAULIGHT LCA-25N	3.00
	Cocamide DEA		1.00
	Sodium Cocoamphoacetate	LEBON CIB	4.00
	PPG-75-PEG-300 Hexylene Glycol	FROTHMEISTER HG-375	8.00
B	Arginine		0.10
	Phenoxyethanol		0.50
	Water		83.40
Total		100.00	

#### <Method>

- (1) A and B: Heat and dissolve at 40-50°C respectively.
- (2) While stirring A, gradually add B.
- (3) After stirring uniformly, cool and de-aerate.

### ● W/Si Cream

		(wt%)	
	INCI name	HG-375	
A	Dimethicone/PEG-10/15 Crosspolymer	3.00	
	PEG-10 Dimethicone	2.00	
	Mineral Oil	10.00	
	Dimethicone	10.00	
	PPG-75-PEG-300 Hexylene Glycol	3.00	
B	BG	10.00	
	Glycerin	8.00	
	NaCl	2.00	
	Water	52.00	
Total		100.00	

#### ◆IMPORTANT

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