

**PERFECT THICKENING SOLUTION**  
**Rheo2Green-**  
**series**

**ONE OF THE CHALLENGES FOR FORMULATING GLUTAMATES IS THE FORMATION OF A STABLE MICELLAR THICKENING SYSTEM. WITH RHEO2GREEN-SERIES, WE OFFER READY-TO-USE SURFACTANT CONCENTRATES, BUILDING UP A REMARKABLE VISCOSITY WITH OUTSTANDING SKIN FEEL AND EXCELLENT RHEOLOGICAL PROPERTIES.**

After dilution of Rheo2Green products with water (approx. 1:3 to 1:5) and reducing the pH in a cold process, the viscosity will increase immediately, leading to desirable flow and foam behavior of cleansing formulations. This is an inventive way to thicken in absence of gums.

- Rich fine-pored foam
- Outstanding micellar self-thickening at pH 4.8 – 5.2
- Cold processable
- Mildness to skin and eyes
- Good cleansing ability
- Free of sulfates, solvents, preservatives, fragrances
- COSMOS, ECOCERT, BDIH, NaTrue, ECOLABEL conform

**RHEO2GREEN1\***

Aqua, Lauryl Glucoside, Disodium Cocoyl Glutamate

**TECHNICAL DATA:**

- Appearance: colourless –yellowish viscous turbid liquid
- pH (10 %) 8,5 – 9,5
- Dry substance (105 °C) 41 – 44 %

**APPLICATION:** Cosmetic, home care, pet care

**RHEO2GREEN2\***

Aqua, Lauryl Glucoside, Disodium Cocoyl Glutamate, Sodium Benzoate, Potassium Sorbate

**TECHNICAL DATA:**

- Appearance: colourless –yellowish viscous turbid liquid
- pH (10 %) 8,5 – 9,5
- Dry substance (105 °C) 41 – 44 %

**APPLICATION:** Cosmetic

\* Both products also available in RSP0 Mass Balance quality as Rheo2Green1 MB and Rheo2Green2 MB

## GREEN THICKENED SHAMPOO

(COSMOS conform ingredients)

	Ingredients	Tradename (Supplier)	Weight %
	Aqua		50.8
<b>A</b>	Lauryl Glucoside, Disodium Cocoyl Glutamate, Sodium Benzoate, Potassium Sorbate	<b>Rheo2Green2</b> (Schill+Seilacher GmbH)	45.00
	Panthenol (75%)		1.50
	Chamomilla Recutita Extract (2%)		1.0
<b>B</b>	Hydrolyzed Wheat Protein (40%)		0.50
	Glyceryl Monooleate		0.2
	Sorbitol		1.0
<b>C</b>	Lactic Acid		qs to pH
<b>D</b>	Fragrances, etc.		qs

### CLAIMS

#### RHEO2GREEN2

Mild surfactant system (NaTrue, COSMOS, ECO-Cert, BDIH)

#### PANTHENOL

Emollient with regenerative and metabolic effects

#### CHAMOMILLA RECUTITA EXTRACT

Anti-inflammatory and soothing agent

#### HYDROLYZED WHEAT PROTEIN

Provides balanced skin moisture, gives soft & silky touch

### MANUFACTURING PROCEDURE

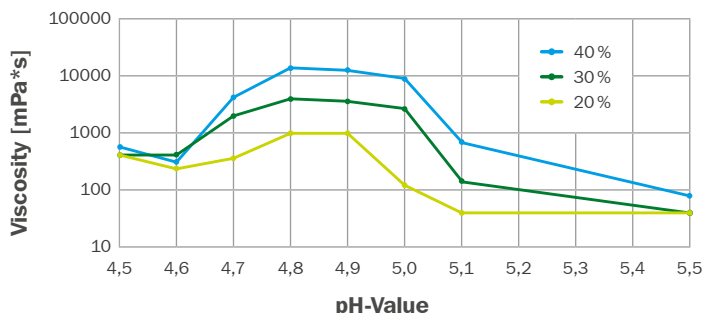
- Mix Part **A** in listed order
- Add Part **B** to Part **A** in listed order and mix until formulation appears homogeneous
- Adjust pH-value with Part **C**
- Add Part **D**

### PROPERTY

Appearance: light yellowish, clear gel

pH-value: 5.1

Viscosity approx.: 6000 mPa\*s (45% Rheo2Green2),  
3000 mPa\*s (35% Rheo2Green2)



Viscosity behavior of Rheo2Green1 at different concentrations.

For more information please contact:

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### COSMETICS

For mild rinse-off products with smooth skin feeling and excellent foaming properties.

### SKIN CARE

- Shower gels
- Facial cleansing gels
- Micellar water
- Liquid hand soaps
- Medical soaps
- Baby bubble bath
- Wet wipes
- Shaving gels
- Natural/green/certified cosmetics
- Sulfate-free rinse-off products

### HAIR CARE

- Mild baby shampoo
- Shampoos, conditioning shampoos

### HOME CARE

- Laundry detergents
- Mild surface cleaning
- Manual dish wash

### PET CARE

- Dog shampoos
- Mild cleaning products for pets