

TECHNICAL DATA SHEET

RHEOLUXE® 812

Non-animal origin rheological additive for cosmetics and toiletries

GENERAL INFORMATION

RHEOLUXE® 812 is a polyurethane based thickener developed to impart rheological control in emulsion systems. It is a highly efficient rheological modifier for use in formulations with difficult to thicken conditions such as extreme pH or high electrolyte concentration.

RHEOLUXE® 812 can be used in “cold process” systems. It is a non-ionic thickener, which provides shear thinning viscosity control without affecting the formula aesthetics; allowing light textures to remain light and soft to the touch.

INCI NAME

Bis-Lauryl Cocaminopropylamine/HDI/PEG-100 Copolymer (and) Butylene Glycol

KEY PROPERTIES

Non-animal origin

Rheological control

- Predictable, reproducible and stable viscosity control
- Broad compatibility
- Thermostable rheology
- Outstanding sensory profile

Broad pH tolerance

Salt tolerant

Cold processable aqueous solution

CHEMICAL & PHYSICAL PROPERTIES

Colour/form	Translucent off white to white liquid
% Non-volatile	24 – 26
Specific gravity @ 25C	1.02 – 1.05
Viscosity, cps	5000 – 20000

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Colour cosmetics
- Creams & lotions
- Sunscreens
- Eye products
- Facial makeup
- Haircare products

INCORPORATION

RHEOLUXE® 812 is supplied in a convenient 25% solids solution that readily thickens aqueous phases for use in emulsion type formulations.

RHEOLUXE® 812 may be incorporated at any point in the emulsification process.

RHEOLUXE® 812 may settle upon storage. It should be mixed well before use.

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LEVEL OF USE

Typical addition levels of **RHEOLUXE® 812** additive by weight of total formulation are 1.0-3.0% for cosmetics.

COMPATIBILITY

RHEOLUXE® 812 is compatible with most raw materials used in cosmetics and toiletries. It has been found that high HLB emulsifiers can adversely affect performance.

HEALTH & SAFETY

Before using this product, please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

Keep container sealed and store at room temperature. **RHEOLUXE® 812** may freeze during winter months. It can be warmed to room temperature to bring back to fluid state.

SHELF LIFE

RHEOLUXE® 812 has a minimum shelf life of 2 (two) years from date of manufacture.

QUALITY ASSURANCE

Quality and continuous improvement are paramount to our business. Facility manufacturing **RHEOLUXE® 812** has established strong quality management system and holds ISO 9001 certification.

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