

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.

INGREDIENTS

INCI name:

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

APPLICATIONS

- Colour Cosmetics
- Creams & Lotions
- Sunscreens
- Eye Products
- Facial Make-Up
- 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.

STORAGE TEMPERATURES

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.

KEY PROPERTIES

RHEOLUXE 812 rheological additive

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 AND PHYSICAL DATA

Appearance	Translucent Off White to White Liquid
Specific Gravity @ 25C	1.02 – 1.05
% Non-Volatile	24 - 26
Viscosity, cps	5000 - 20000

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.

LEVELS OF USE

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

SHELF LIFE

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

SAFETY

Before using this product, please consult our MSDS.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

© Copyright 2017, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

® Trademark of Elementis Specialties, Inc.

www.elementisspecialties.com

v. 5st July 2017