

## RHEOLUXE® 880

### Non-animal Origin Rheological Additive For Cosmetics And Toiletries

#### GENERAL INFORMATION

**RHEOLUXE 880** is a polymeric thickener designed to impart rheological control and film forming benefits in aqueous and 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.

#### INCI NAME

Bis-C16-20 Isoalkoxy TMHDI/PEG-90 Copolymer

#### CHEMICAL & PHYSICAL PROPERTIES

% Non Volatile	29.5 – 30.5
Appearance	Translucent
Density @ 25C Lbs/Gal	8.60 – 9.00
Viscosity, cps	3000 – 10000
TMDI residual	Pass (not present)

These are typical properties not to be used for specification purposes

#### APPLICATIONS

- Colour Cosmetics
- Creams & Lotions
- Sunscreens
- Eye Products
- Facial Make-Up
- Haircare Products
- Treatment products

#### KEY PROPERTIES

Non-animal origin

Rheological control

- Predictable, reproducible and stable viscosity control
- Thermostable rheology

Broad pH tolerance

Salt tolerant

Cold processable aqueous solution

#### INCORPORATION

**RHEOLUXE 880** is supplied in a convenient 30% solids solution that readily thickens emulsion type formulations. Incorporation at the end of the emulsification process is ideal. It is best not added to the water or lipid phase before emulsions are made.

In simple aqueous systems, **RHEOLUXE 880** should be stirred into the aqueous solution at room or slightly elevated temperatures.

#### LEVELS OF USE

Typical addition levels of **RHEOLUXE 880** additive by weight of total formulation are 1.0-3.0% for cosmetics.

#### COMPATIBILITY

**RHEOLUXE 880** is compatible with most raw materials used in cosmetics and toiletries. It has been found that high HLB emulsifiers can adversely affect performance.

#### HEALTH AND 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 880** may freeze during winter months. It can be warmed to room temperature to bring back to fluid state.

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### SHELF LIFE

**RHEOLUXE 880** has a minimum shelf life of 2 (two) years from date of manufacture.

### QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

*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.*

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