RHEOCLEAN® HI 780

Non-animal Origin Rheological Additive for Household, Industrial and Institutional Cleaning Markets

GENERAL INFORMATION

RHEOCLEAN® HI 780 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.

NAME

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

CHEMICAL & PHYSICAL PROPERTIES

% non-Volatile	29.5 – 30.5
Appearance	Translucent
Density @ 25^{0}C g/cm^3	1.03 – 1.08
Viscosity, cps	3000 - 10000
TMDI residual	Pass (not present)

These are typical properties not to be used for specification purposes

APPLICATIONS

- Fabric conditioners
- Aqueous cleaning products with very low or very high pH
- Bathroom cleaners, calc removers
- Toilet cleaners
- Oven cleaners

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

RHEOCLEAN® HI 780 is supplied in a convenient 30% solids solution that readily thickens aqueous and emulsion type formulations. In simple aqueous systems, **RHEOCLEAN® HI 780** should be stirred into the aqueous solution at room or slightly elevated temperatures.

For emulsions, 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.

LEVEL OF USE

Typical addition levels (by weight of total formulation) are 1.0-3.0%.

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RHEOCLEAN® HI 780

COMPATIBILITY

RHEOCLEAN® HI 780 is compatible with most raw materials used in cleaning formulations. 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. RHEOCLEAN® HI 780 may freeze during winter months. It can be warmed to room temperature to bring back to fluid state.

Over time, the polymer may begin to precipitate. The container should be mixed thoroughly to ensure the product is homogenous before use. Mixing can be accomplished by rolling the pail or drum, or by using a mixing blade.

SHELF LIFE

RHEOCLEAN® HI 780 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 RHEOCLEAN® HI 780 has established strong quality management system and holds ISO 9001 certification.

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