



RHEOSOLVE™ T 450

Rheology modifier for household and industrial formulations

RHEOSOLVE™ T 450 is a solvent and Alkyl Phenol Ethoxylate (APE) free polyurethane thickener designed for all types of water based acidic formulations.

• TYPICAL ANALYSIS

Nature: Water soluble non ionic polyurethane

Appearance (20°C): Whitish liquid

Solids content (%): 50

Solvent: Water + polymeric compound system, VOC free

pH (25°C): 6.5

Specific gravity (20°C): 1.06

Brookfield viscosity (100 rpm, 25°C): Typically 6 000 mPa.s

• ADVANTAGES

RHEOSOLVE™ T 450 is:

- Compatible with many acids such as citric, phosphoric, formic, lactic, ...
- Compatible with hydrogen peroxyde formulations
- Efficient on a large range of pH.
- Liquid and easy to handle.
- Formulation of a large array of products without the use of co-formulation additives.
- Production of self wetting formulas without surfactant addition.

• APPLICATIONS

Recommended applications are:

- **Acidic Cleaners**
- **Peroxyde Formulations**

RHEOSOLVE™ T 450 is very easy to handle thanks to its low viscosity and to its progressive thickening effect.

RHEOSOLVE™ T 450 is a ready-to-use designed thickener, and should not be pre-diluted in water. Recommended dosages are between 5 to 10% on total formulation weight.

• STORAGE

RHEOSOLVE™ T 450 should be protected from the effects of weathering, stored between 5 and 40°C and sheltered from direct sun exposure. This product can be altered by frost. Once opened, packaging should be resealed immediately after use.

In these conditions, product should be used within 12 months after delivery.

To be easily pumpable, **RHEOSOLVE™ T 450** should be used about 20°C.

The appearance of **RHEOSOLVE™ T 450** evolves within time, progressively and from the bottom to the top, from a whitish appearance to a translucent yellowish appearance, the surface showing at the end a whitish phase. Such a change in appearance has no impact on the properties and use of the product.

• STANDARD PACKAGING

- 220 L plastic drum

• HEALTH & ENVIRONMENTAL DATA

Please refer to the Material Safety Data Sheet.

Website: www.coatex.com

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