



## THIXOTRATE™

### **Description:**

THIXOTRATE is a thickener specially designed for use in aqueous cosmetic formulations having a pH between 6.5 and 10. This unique thickener is economical to use, usually employed at levels ranging from 0.2 to 5.0 percent, depending on the formulation being modified and the desired rheology.

THIXOTRATE, being anionically charged, is most compatible with nonionic and anionic systems. Low levels of anionic and especially nonionic surfactants tend to increase the efficacy of THIXOTRATE. Although specifically designed for viscosification at neutral to alkaline pH's, THIXOTRATE may thicken slightly acidic formulations by incorporating anionic or nonionic surfactants such as Lauramide DEA, Polysorbates, or Sodium Laureth Sulfate.

### **Uses:**

THIXOTRATE has applications in cosmetic creams, lotions, shampoos, masques, and moisturizers. At neutral pH's THIXOTRATE is clear and colorless. It is used to increase viscosity and stabilize sensitive O/W and W/O emulsions. A sample formulary is available upon request

### **Nomenclature:**

CAS: proprietary  
INCI: Acrylates copolymer  
EINECS: N/A  
Japan: Contact Technical Services

### **Typical Properties:**

These values are typical properties only and not necessarily specifications. Specifications and test methods are available upon request.

Appearance	Opaque white w/bluish tint, water-like
Viscosity, cps (neutralized) (Brookfield DV-II, spindle 6, 20 rpm)	9000 - 17000
pH at 20°C	2.2 - 3.2
Density at 20°C, g/cm <sup>3</sup>	1.03 - 1.06
Dry Residue, %	29.0 - 31.0

### **Testing:**

A 10% aqueous solution of Thixotrate submitted for Repeated Insult Patch testing did not induce allergic or contact dermatitis in humans.

### **Derivation:**

No animal derived ingredients are used in the manufacture of Thixotrate. All raw materials used in Thixotrate are of synthetic or vegetable origin.

### **Storage and Handling:**

Store at room temperature. Avoid freezing. Avoid strong oxidizers. Close container well after using to avoid evaporation.

### **Availability:**

Thixotrate is available in 40-pound pails and 475-pound drums.

Contact Guardian Laboratories for information about samples or sales.