

Efficient Low-Shear Nonionic Synthetic Associative Thickener  
(NiSAT) With Reduced Viscosity Loss Upon Tinting

## GENERAL INFORMATION

RHEOLATE CVS® 15 is a 15% active solids, nonionic synthetic associative thickener for aqueous applications. It is a next generation color viscosity stabilizer rheology modifier designed as a low-shear (KU) builder for low and zero VOC paints. Excellent efficiency and compatibility is achieved with most latex resins systems.

RHEOLATE CVS® 15 provides paint formulations viscosity retention upon point-of-sale or in-plant color tinting in combination with excellent color properties such as improved color float resistance and greater color rub up performance. The product has superior sag and leveling properties which provide excellent application properties when applied with brush or roller, or when spray applied.

RHEOLATE CVS® 15 is APEO, VOC, and tin-free. It is designed for water based decorative paints but can also be used in other water based systems including inks, textile coatings, adhesives and sealants. The product is a pourable and pumpable liquid

## PHYSICAL PROPERTIES

Composition	polyurethane solution in water
Appearance	Opaque Liquid
Active Solids (by weight)	15%
Specific Gravity	1.05
Viscosity (cps)	< 3,000
pH	~ 5.5
VOC (ASTM D 6886-03)	<0.01%

## APPLICATIONS

- High quality, Zero to Low VOC deco paints
- Water based adhesives and sealants
- Industrial water based coating systems
- Waterborne inks

## KEY PROPERTIES

- High efficiency low-shear (KU) builder
- Reduced KU viscosity loss upon tinting
- Excellent balance of sag and leveling
- Compatible in all resin systems
- Excellent color properties
- Minimum contribution to high-shear (ICI) viscosity
- Zero VOC
- Ease of use
- Good storage stability

## INCORPORATION

RHEOLATE CVS® 15 can be used as supplied or, if necessary, further diluted with water. Addition can take place at any time during the manufacturing process but incorporation into the mill base before letdown is recommended. RHEOLATE CVS® 15 can be combined with other associative rheological additives, clay based thickeners or cellulosic thickeners for higher package viscosity.

## LEVELS OF USE

Typical use levels of RHEOLATE CVS® 15 are 0.2% to 1% (thickener solids weight) on total system weight.

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## REGULATORY

For the most current regulatory status, please refer to the MSDS for RHEOLATE CVS<sup>®</sup> 15.

## HEALTH AND SAFETY DATA

Detailed information on handling and safety could be found in the material safety data sheet. Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes and clothing. Avoid breathing mists, dusts, or vapors. Wash hands thoroughly after handling.

## STORAGE RECOMMENDATIONS

RHEOLATE CVS<sup>®</sup> 15 should be kept above 4°C (40°F). In the event of accidental freezing, thaw gently, spread a portion between glass slides and examine for granules. If found, do not use.

## PACKAGING

RHEOLATE CVS<sup>®</sup> 15 rheological additive is available in totes and bulk packaging. Please contact your local Elementis Specialties representative for other packaging configurations.

## SHELF LIFE

RHEOLATE CVS<sup>®</sup> 15 has a shelf life of 24 months 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.

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