HISOL 301 associative thickener emulsion is low viscosity acrylic emulsion for alkali swellable associative thickener of water base paints and inks.

Main polymer-backbone of HISOL 301 thickener emulsion has Hydrophobically modified acrylcelster polymer with much of carboxylic acid which can be easily neutralized with base (ammonia Caustic soda, Organic amine, Potassium hydroxide etc.).

HISOL 301 thickener emulsion through not only swelling with alkali but also associative mechanisms above the PH of 6.5.

Main advantages of HISOL 301 thickener emulsion are as following.

* Paints and inks thickened with HISOL 301 thickener emulsion exhibits no remarkable viscosity change in long term storage, very good tropical stability and freeze-thaw stability.
* The paints and inks thickened with HISOL 301 thickener emulsion show lower foaming when manufacturing of the paints.
* The tinted paints thickened with HISOL 301 thickener emulsion show lower color floating problems than the tinted paints based on other HASE thickened paints.
* The paints and inks thickened with HISOL 301 thickener emulsion is less costly to earn the same viscosity than that thickened with HEC.

**PHYSICAL PROPERTIES**

- Solid content: 29 - 31%
- Viscosity: 70cPs Max (at25°C)
- PH: 2 - 3.5
- Density: Ca 1.05(at25°C)
- Ionic charge: Anionic

**SAFETY AND HANDLING**

HISOL 301 is slightly irritating to the skin and eyes. Avoid contact with skin and eye. When handling wear impervious rubber gloves and goggles/Face mask.

For handling/operation where possible contact may occur, a safety shower and eye wash station/facility should be available. Further detailed information can be found in the MSDS sheet.

Store in closed container at 5°C - 40°C.

**PACKING**

200KGs Plastic Drum