

## TULSICRYL T-72

**TULSICRYL T-72** is an AQUEOUS APEO FREE AND FORMALDEHYDE FREE anionic, hydrophobically modified alkali swellable emulsion (HASE) Polymer that is meant to be used as a rheology modified for waterborne coatings.

### PRODUCT SPECIFICATIONS:

Chemical Name	<b>CROSS-LINKED ACRYLIC THICKENER (HASE)</b>
Appearance	Milky white pourable liquid
Solvent	Water
Solid content, weight %	29 ± 1 %
pH	2.0 - 5.0 at 30°C
Brookfield viscosity	MAX 3 Poise, SP#2, 20 RPM @ 30°C
MFFT (°C)	NA
Compatibility	Compatible with water-based paint
Film	Clear & transparent

**NEUTRALIZATION:** Dilute TULSICRYL T-72 with the appropriate amount of water. Then add alkali (Ammonium hydroxide, Sodium hydroxide, Potassium hydroxide etc.) solution under adequate mixing to avoid localized thickening. Bring the mass pH to about 8 and homogenize well to get the required increase in viscosity to form a gel-like appearance.

**COMPATIBILITY:** TULSICRYL T-72 is miscible with non-ionic & anionic emulsions. and good compatibility with calcium carbonate and other normal fillers used in the paint formulation.

### APPLICATION:

- Thickening agent in water-based paints.
- Uniform Thickening.
- Superior quality thickener for flocking and printing applications.
- First disperse well dilute TULSICRYL T-72 in the composition.
- Then raise pH to 8 under enough stirring and homogenizing.
- Use suitable defoamers, in required quantities to control foam.
- Biocides need to be added in formulation to guard against microbes' growth.

**SAFETY:** General safety precautions such as goggles, gloves, and face shields should be used while handling. MSDS is provided for detailed information.

**STORAGE & HANDLING:** TULSICRYL T-72 has a shelf life of 6 months from the date of manufacture, provided it is stored under shade, away from direct heat and sunlight and well protected from freezing.

**PACKING:** Flexi tanks, 240/250 kg HDPE Drums.

**Disclaimer:** Note: The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other company's raw materials are also being used. The recommendations do not absolve the user from the obligation of investigation of the possibility of infringement of third parties rights and, if necessary, clarifying the positions.