

Cationic Guar Gum

FACT SHEET

Description: Cationic guar gum is a modified, naturally derived (from the seeds of the guar plant *Cyamopsis tetragonolobus*) quaternary, high-molecular weight sugar polymer (polysaccharide) combining both thickening and conditioning effects. Yellowish powder, faint characteristic odor. Soluble in water. CAS# 65497-29-2.

INCI Name: Guar hydroxypropyltrimonium chloride.

Properties: Excellent non-gelling thickener, viscosity, volume & foam enhancer. As compared to normal guar gum, cationic guar gum has additional conditioning effect due to the quaternary polymer structure.

Use: Dissolve in water and stir thoroughly. Guar gum has a high pH >9 in order to thicken the solution that contains the guar gum the pH has to be <7. Add a tiny amount of citric acid or concentrated lemon juice to reach a lower pH and the solution is thickening. Stir well, typical use level is 0.2-2%.

Applications: Shampoos, conditioners, lotions, creams, body washes, shower gels.