

CASEINATE - a unique protein polymer

. . . for most any water-based, and some solvent-based, applications seeking materials with ZERO VOC's which possess a high degree of crosslinking, density-promoting activity.

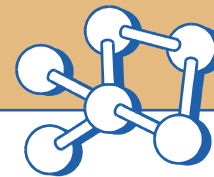


PACKAGING:
25 KGS BAGS- BULK TOTES

CASEINATE PROTEIN POLYMERS

TECHNICAL
INGREDIENTS FOR
APPLICATIONS
SUCH AS:

PIGMENT DISPERSIONS
AND EMULSIONS
WATER-BASED PAINTS
WATER-BASED INK
VEHICLES
ADHESIVES
COATINGS
SPECIALTY CHEMICALS
SELF-LEVELING FLOOR
UNDERLAYMENT
TEXTILES
GROUTS & CAULKS



Caseinates for Technical Applications

The Casein Protein Polymer has long been recognized for its effectiveness as a protective colloid, emulsifier, binder, adhesion and cohesion promoter, as well as a flow agent and rheology modifier in industrial applications. This wide range of technical uses is due to the multiplicity of reaction modes that the Casein Protein Polymer can perform. Casein Protein Polymers can react as a hydroxyl source, an amino source and carboxyl source in a variety of interpenetrating polymer networks. Its amphoteric nature makes it a preferred co-binder in multiple polymer systems.

Until recently, preparation of the casein protein polymer solution proved difficult, leaving many potential users unable to utilize this unique polymer system. Caseinate Protein Polymers eliminate these difficulties. By creating water soluble casein salts with different metal ions attached to the molecule, Caseinate Protein Polymers achieve the unique properties of the Casein Protein Polymer without the cumbersome preparation requirements of casein. Ammonium, sodium, calcium and potassium are among the most popular ions currently being used in the technical industry.

Ease of make down, order of addition flexibility, reduced usage of alkalis, as well as minimal cleanup, are excellent reasons why Caseinate Protein Polymers have come of age.

Caseinate Protein Polymers can be used in most any water-based, and some solvent-based applications by industries seeking materials with ZERO VOC's which possess a high degree of crosslinking, density-promoting activity. Caseinate Protein Polymers are an excellent addition to your polymer choices.



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