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HE-Cellulose, Modified

Specification Sheet

Description: Especially modified, nonionic, water-soluble polymer made by reacting ethylene oxide with alkali-cellulose. HR-CS grade (H stands for 'High Molecular Weight', R stands for 'Retarded Hydration Treated' and CS for 'Cosmetic Grade'). Gives crystal clear solutions of varying viscosity in water. Typical viscosity in 1% solutions is 1,500 - 2,500 cps. Average molecular weight is 250,000. Stable in wide ph range of 3-10.

CAS: 9004-62-0

INCI Name: Hydroxyethylcellulose

Composition: Hydroxyethylcellulose, Disodium Phosphate, Sodium Phosphate, Polysorbate 60

Appearance: Light tan powder, odorless

Benefits:

- Effective thickener of emulsions, surfactants systems, and gels.
- Often used as foam stabilizer and anti-caking agent (prevents lump formation)

Use: Add as is to formulas, typical final use level 0.5-3%. For external use only.

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

Solubility: Soluble in cold or hot water, soluble in up to 60% ethanol.

Preservation: Preservative-free

Storage: Store in a closed container at a dry place at room temperature.

Country of Origin: USA

Raw material source: Cotton fibers

Manufacture: Hydroxyethylcellulose is produced by alkalization and hydroxyethylation of cellulose fibers in liquid methyl chloride.

Animal Testing: Not animal tested.

GMO: GMO-free

Vegan: Does not contain animal-derived components.

HS Code: 3505100000