



BULLETIN VC-991

aquacat™ pf618 cationic solution

paraben-free, clear cationic guar solution enabling unsurpassed product clarity in hair and skin care applications

formulator benefits

- o based on nature-derived, renewable guar gum
- o 96% natural origin content according to ISO 16128-2:2017
- o no hydration needed, this easy-to-use solution can be added at any stage of formulation without pH adjustment
- o can be formulated with anionic surfactants while maintaining crystal clear formulation clarity
- o low viscosity solution is pumpable/sprayable
- o paraben free

formulation benefits

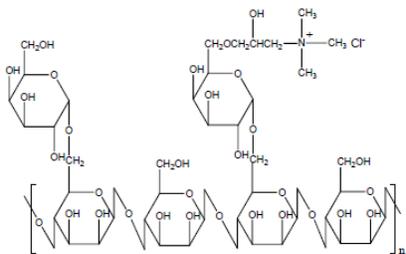
- o excellent wet and dry combing benefits
- o delivers outstanding gloss from non-silicone shampoos/conditioners
- o doesn't build-up on hair after repeated use, leaving hair feeling light
- o enhances lather volume and quality from body washes
- o leaves skin feeling smooth and soft
- o minimal impact on viscosity

skin and hair care applications

product forms shampoos, body washes, detangling sprays, facial cleansers

formulations by Ashland facial cleanser, volume shampoo

chemistry



guar hydroxypropyltrimonium chloride

preserved with a blend of phenoxyethanol, benzoic acid, and dehydroacetic acid

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typical properties

appearance.....clear, pale amber liquid
 percent solids..... 10wt%
 viscosity, as received 0-100 cP
 pH, 1%.....5-7

formulation guidelines

recommended use levels	hair care applications: 2-5 wt% (as supplied) skin care applications: up to 10wt% (as supplied)
temperature/mixing conditions	able to be processed cold or hot, this aqueous cationic guar solution doesn't require special heating/mixing conditions
when to add	can be added at any stage of formulation
tips from Ashland solvers	mix gently before adding to the batch

safety, handling, and storage

Storage is recommended in tightly closed original containers at temperatures between 5°C and 25°C. Additional information concerning safety, handling and storage is supplied in the safety data sheet, which can be made available upon request. Such information includes:

- o classification and labelling per regulation for transport and for dangerous substances
- o protective measures for storage and handling

A toxicology summary can also be made available, on a confidential basis, by contacting your local Ashland representative or by visiting Ashland.com.

regulatory

CAS #: 65497-29-2

INCI name: guar hydroxypropyltrimonium chloride
 listed on China IECIC-2015

Halal certificate available

Other regulatory information is available on request.