

BULLETIN VC-5761

## advantage™ s solution polymers

### formulator benefits

- broad propellant tolerance
- no neutralization required
- compatible with a wide range of ingredients, including anionic thickeners
- enables alcohol free formulations

### formulation benefits

- strong, durable hold
- high humidity resistance
- excellent shine
- color enhancement
- frizz control
- low tack

**advantage™ s solution** – preserved with Diazolidinyl Urea and Iodopropynyl Butylcarbamate (and) Propylene Glycol.

**advantage™ s solution PO** – preserved with Phenoxyethanol

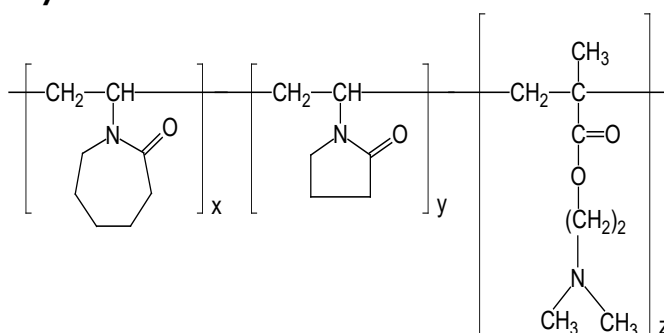
### applications

hair styling

**product forms** hair spray, cream, gel, mousse,

**available formulations from Ashland** styling gels, styling sprays, styling mousses

### chemistry



Aqueous solution of Vinyl Caprolactam/VP/ Dimethylaminoethyl Methacrylate Copolymer

## typical properties

appearance..... clear colorless-straw yellow solution  
 solubility..... water, alcohol  
 pH.....5-8  
 cloud point.....44°C  
 solids.....30% aqueous solution

## formulation guidelines

<b>recommended use levels</b>	1-5% solids
<b>temperature/mixing conditions</b>	no neutralization required; cold processable
<b>when to add</b>	advantage™ s is best added after other batch ingredients containing acid moieties have been neutralized

## safety, handling, and storage

It is recommended to store advantage™ s in a sealed container.

Additional information concerning safety, handling and storage is supplied in the safety data sheet, which can be made available upon request. Such information includes:

- classification and labelling information
- protective measures for storage and handling

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

## regulatory

CAS No. mixture

Other regulatory information can be made available on request.