



BULLETIN VC-924B (supersedes VC-924A)

antaron™ sensory (ganex™ sensory) polymers

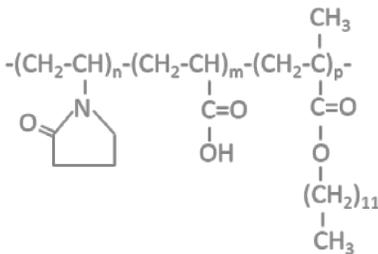
mesh film former with great water resistance and superior sensory feel

formulator benefits	formulation benefits
formulator friendly, three options for addition (oil phase, water phase, or post-emulsion) film former and/or co-emulsifier water and wear resistance reduce or eliminate surfactants and emulsifiers synergistic with acrylates thickeners	non-greasy, high SPF, comfortable, and high performing makeup and sun care emulsions pollution protection water, wear, transfer, and sand resistant increased formula stability leaves skin less shiny

leave-on skin care applications

product forms emulsion, gel cream, gel, mousse, solution, spray, mask, wipe, solids/sticks

chemistry



water dispersible polymer with hydrophobic character

INCI name: VP/Acrylates/Lauryl Methacrylate Copolymer

non-preserved

typical properties

appearance.....white powder
 solubility.....water soluble after neutralization
 relative viscosity.....3.5



formulation guidelines

recommended use levels	0.5-1%
temperature/mixing conditions	no known temperature restrictions
when to add	<p>oil phase addition (preferred): slowly add into oil phase and disperse (until agglomerates are removed) after adding oil phase to water phase, homogenize for 5-10 minutes neutralize the batch to pH 6 using an appropriate amount of sodium hydroxide homogenize for 5-10 minutes or until batch is homogeneous and has a smooth appearance</p> <p>water phase addition: adjust pH of water phase by adding a portion of the required NaOH (between one half and total amount) needed for neutralization to target pH above 6 slowly add polymer powder while homogenizing adjust pH to 6, if needed, and continue mixing for 15-30 minutes or until polymer is completely dissolved add thickener, if needed, and proceed to emulsification step</p> <p>post-emulsification addition: adjust pH of water phase by adding a portion of the required NaOH (between one half and total amount) needed for neutralization to target pH above 6 before polymer addition, adjust pH to 5.5-6 after addition, if needed</p>
tips from our technical solvers	<p>works best in oil-in-water (O/W) emulsions neutralization required, with an optimum pH at 5.5-6.5 for neutralization, target 10% NaOH based on polymer use level (i.e., for a polymer use level of 1%, target 0.1% NaOH for neutralization) not compatible in water-in-oil (W/O) or water-in-silicone (W/Si) emulsion formulas</p>

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 Ashland's toxicology department.

regulatory

CAS No. 83120-95-0

INCI name VP/ACRYLATES/LAURYL METHACRYLATE COPOLYMER is listed on the China IECIC-CFDA-2014.

Halal certificate available

Other regulatory information is available on request.