



BULLETIN VC-939

# allianz™ OPT and allianz OPT C5G polymers

film former that provides water and wear resistance for long-lasting sun and color cosmetics formulas

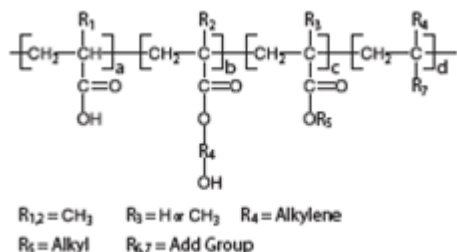
<b>formulator benefits</b> film former adds structure to oil phase water and wear resistance easy to incorporate liquid cold processable	<b>formulation benefits</b> efficacy- longer wear with transfer and/or water resistance usability- more product forms possible, including low-viscosity emulsions and sprays
---	--

## applications

leave-on skin care

**product forms** emulsion, gel cream, gel, mousse, spray, solids/sticks

## chemistry



acrylates polymer emulsion

INCI name: Acrylates/C12-22 Alkyl Methacrylate Copolymer

Allianz OPT polymer is preserved with a short chain paraben.

Allianz OPT C5G polymer contains Pentylene Glycol; therefore, it does not support microbial growth.

## typical properties

appearance.....milky white liquid  
 solubility.....provided in water (aqua) solution  
 % solids.....48%

**formulation guidelines**

<b>recommended use levels</b>	1-5% (as supplied)
<b>temperature/mixing conditions</b>	do not add above 55°C do not freeze
<b>when to add</b>	should be post-added to the emulsion during the cooling phase (below 55°C)
<b>tips from our technical solvers</b>	does not require neutralization compatible with most ingredients, including alcohols, pigments, inorganic UV filters, and organic UV filters

**safety, handling, and storage**

protect from freezing: keep sample in temperatures above 0°C/32°F

recommended storage temperature is between 5°C-35°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:

- classification and labelling per regulation for transport and for dangerous substances
- 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**

regulatory information available on request