

# Gemini<sup>®</sup> Fluoro Surfactant

## Waterborne Coating Additive BH-81C

### Introduction:

BH-81C is a waterborne, partially fluorinated polymeric coating additive. It is a self-dispersed additive for low-sheen easy clean latex paints that can improve cleanability of oily, dirt-based stains, such as dirty handprints and other household stains. It can provide oil repellency to flat architectural paints and waterborne coatings. It can also improve performance with dirt pickup resistance.

The properties of BH-81C can help simplify formulations and improve performance, it has very low foam and does not cause additional foam in coating systems. BH-81C does not interfere with re-coat adhesion and does not affect water repellency.

### Typical Properties:

Ingredient	—	Acrylic fluorinated copolymer
Appearance	—	Amber liquid
Solid	wt%	33
Solvent	wt%	67
Flash Point (closed cup)	°C	No Flash Point
Freezing Point	°C	≤0
Density (25 °C)	g/cm <sup>3</sup>	1.08
Solubility	Soluble in Water, Dispersible directly in latex paint	

### Application:

Suggested use rates are 0.1~0.2% wt solid for Interior Stain Washability, 0.1~0.3% wt solid for Dirt Pickup Resistance, 0.07~0.1% wt solid for

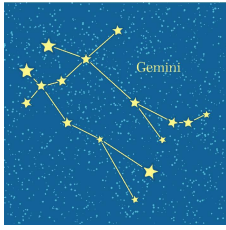
Wetting Agent, make adjustment according to your own recipe

- Improves oil repellency of low sheen interior latex wall paints
- Improves washability of oil-based stains for low sheen latex paints, such as dirty hand prints often found near light switches and door frames
- Provides good dirt pickup resistance for exterior latex paints
- Wetting agent in water-based and polar solvent-based coatings and printing inks
- To achieve maximum results, it is recommended that the coating be reformulated to minimize oil-attracting additives and excess surfactants. The combination of anionic fluorosurfactants and BH-81C provides optimal performance for dirt pickup resistance

### Attentions:

- . BH-81C can NOT use in environment of pH > 8
- . During processing, wear protection clothes, be careful of eye、 skin contact.
- . Keep the container sealed and store in cool、 well ventilated locations.
- . It will have flocculating sediments in low temperature, no worries, please warm up with 40°C hot water and mix well before use.

**Packaging/Transport:** 25Kg plastic jug. Not classified as dangerous in the meaning of transport regulations.



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