



## **OPULYN™ Opacifier (Hair Care, Skin Care)**

### **\*Product Overview**

OPULYN™ Opacifiers are styrene/acrylate or styrene/acrylamide emulsion copolymers, supplied at approximately 40% solids in water.

OPULYN™ Opacifiers can be used to provide a translucent to milky appearance to a wide range of cosmetic products.

These products are not sold directly for consumer use, but are included in some personal care product formulations.

### **\*Product Description**

OPULYN™ Opacifiers are emulsion copolymers of styrene/acrylate, styrene/acrylamide, or acrylate/Methoxy PEG-10/styrene blends.

They are supplied at approximately 40% solids in water and are milky white liquids with a slight acrylic odour.

### **\*Product Uses**

OPULYN™ Opacifiers offer a dense and creamy look to personal-care formulations, and that visual impact enhances the richness and properties of the products.

Typical levels in the formulation range from 0.5 to 1.0%.

Personal-care products that may include OPULYN™ Opacifiers include

Shampoos and shower gels

Hair conditioners

Liquid hand soaps



**\*Chemical and physical characteristics of OPULYN™ Opacifiers**

	<b>OPULYN 301</b>	<b>OPULYN 302B</b>	<b>OPULYN 303B</b>	<b>OPULYN 305</b>
Chemistry	Styrene/ Acrylate	Styrene/ Acrylates	Styrene/ Acrylamide	Styrene/ Acrylate
Ionic nature	Anionic	Anionic	Nonionic	Anionic
Solids (%)	40	40	40	40
ph (as is)	2.1 - 2.5	2.1 - 3.0	2.1 - 3.0	2.1 - 2.5
Average Particle size (microns)	0.18	0.21	0.26	0.30
Preservative	None, Self-preserved	Benzoic Acid, 0.5%	Benzoid Acid, 0.3%	None, self-preserved
INCI Name	Styrene/ Acrylates Copolymer	Styrene/ Acrylates Copolymer	Styrene/ Acrylamide Copolymer	Acrylate/ PEG-10 Maleate/ Styrene Copolymer