



## ZENIGLOSS<sup>®</sup> Q-SE

Zenigloss<sup>®</sup> Q-SE a natural condensation polymer of castor oil, succinic acid, isostearic acid a castor quat, and a PEG ricinoleate. This self emulsifying high molecular weight (4,800) cationic polymer provides substantive conditioning and gloss to hair, making ideal for conditioners. It performs very effectively on damaged (colour treated, permed, or bleached) hair, and is a superb detangler. Zenigloss<sup>®</sup> Q-SE is an extremely mild polymer and can be used for body washes, skin and hair care applications. In 2 in 1 shampoos, Zenigloss<sup>®</sup> Q-SE has been found to out perform conventional based ingredients in both wet and dry comb performance, as well as gloss providing shine to the hair. Zenigloss<sup>®</sup> Q-SE forms a stable emulsion when mixed into cold or warm water. The self emulsifying properties result in an easy to use condition system.

### TYPICAL PROPERTIES

<b>Appearance at 25 °C:</b>	Clear Amber Liquid
<b>Odor:</b>	Typical mild fatty
<b>Colour (Gardner):</b>	10 Max
<b>Acid Value (ml KOH/g):</b>	25 Max
<b>Refractive Index:</b>	1.47 to 1.49

### GLOBAL DESIGNATIONS

<b>Adopted INCI Name:</b>	Polyquaternium-57, PEG-8 Ricinoleate
<b>CAS Reg. No.:</b>	341536-97-7, 9004-97-1
<b>EINECS:</b>	Polymer Exempt
<b>ECOCERT:</b>	N/A
<b>Canada (DSL):</b>	Pending
<b>China (IECSC):</b>	Pending
<b>Australia (AICS):</b>	Pending
<b>Korea (ECL):</b>	Pending
<b>Japan (ENCS):</b>	Pending

### STORAGE AND PACKAGING

Zenigloss<sup>®</sup> Q-SE has a normal shelf life of 36 months when stored in sealed unopened containers in a cool dry location at temperatures between 15°C and 25°C.

Zenigloss<sup>®</sup> Q-SE is available in 16 kg pails and 100 kg drums.

### SOLUBILITY AND COMPATIBILITY (Zenigloss<sup>®</sup> Q-SE @ 10% & Solvent @ 90%)

Solvent	50 °C	25 °C
Water	DISPERSABLE	DISPERSABLE
Glycerin (96%)	SOLUBLE	SOLUBLE
Propylene Glycol	INSOLUBLE	INSOLUBLE
Mineral Oil	INSOLUBLE	INSOLUBLE
Isopropyl myristate	INSOLUBLE	INSOLUBLE
Cyclomethicone	INSOLUBLE	INSOLUBLE
Octyl palmitate	INSOLUBLE	INSOLUBLE
Safflower Oil	INSOLUBLE	INSOLUBLE
Ethanol (95%)	INSOLUBLE	INSOLUBLE

### APPLICATIONS

- Skin Care:**  
Moisturizing creams, body washes.
- Sun Care:**  
Sunscreen lotions.
- Hair Care:**  
Rinse-off and Leave-In Conditioners, Detanglers, Gloss Sprays, Rinses, Baby Shampoos.
- Nail Care:**  
Polish removers.
- Typical Use Levels:** 2.0 to 8.0 %

