



## ZENIGLOSS®

Zenigloss® is a natural condensation polymer of castor oil, succinic acid and isostearic acid. This natural emollient polymer provides good adhesion and gloss in lipsticks. It has a high molecular weight (3,700) and good viscosity. Zenigloss® improves the pigment wetting and dispersion properties in colour cosmetic applications. When used in hair and skin formulations, it adds luster and contributes to a smoother application. It is a superb natural glossing agent in color and hair applications and has also been found to boost SPF in sun and skin care products.

### TYPICAL PROPERTIES

**Appearance at 25 °C:**  
Clear Viscous Amber Liquid

**Colour (Gardner):** 5 Max

**Acid Value (ml KOH/g):** 32 Max

**Refractive Index:** 1.47 to 1.49

### GLOBAL DESIGNATIONS

**Adopted INCI Name:**  
Castor Isostearate Succinate

**CAS Reg. No.:** 321573-76-6  
**EINECS:** Polymer Exempt  
**ECOCERT:** Certified

**Canada (DSL):** Listed  
**China (IECSC):** Pending  
**Australia (AICS):** Pending  
**Korea (ECL):** Pending  
**Japan (ENCS):** Pending

### STORAGE AND PACKAGING

Zenigloss® 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® is available in 16 kg pails and 100 kg drums.

### SOLUBILITY AND COMPATIBILITY

(Zenigloss® @ 10% & Solvent @ 90%)

Solvent	50 °C	25 °C
Water	INSOLUBLE	INSOLUBLE
Glycerin (96%)	INSOLUBLE	INSOLUBLE
Propylene Glycol	INSOLUBLE	INSOLUBLE
Mineral Oil	INSOLUBLE	INSOLUBLE
Isopropyl myristate	SOLUBLE	SOLUBLE
Cyclomethicone	INSOLUBLE	INSOLUBLE
Octyl palmitate	SOLUBLE	SOLUBLE
Panalane L-14E	INSOLUBLE	INSOLUBLE
Safflower Oil	SOLUBLE	SOLUBLE
Ethanol (95%)	INSOLUBLE	INSOLUBLE
Castor Oil	COMPATIBLE	COMPATIBLE
Carnauba/Beeswax	COMPATIBLE	COMPATIBLE

### APPLICATIONS

#### Colour Care:

Lipsticks, Gloss sticks and pots, Concealer sticks, Pencils, mascara, and Foundations.

#### Skin Care:

Make-up remover and Night creams.

#### Sun Care:

Sunscreen lotions, Suntan gels and oils.

#### Hair Care:

Shampoos, Conditioners, 2 in 1 shampoos and Pomades.

