



## ZENIGLOSS® UP

Zenigloss® UP is low odor natural condensation polymer of castor oil, succinic acid and isostearic acid. This natural emollient provides adhesion and gloss in lipsticks. It has a high molecular weight (5,700) and good viscosity. Zenigloss® UP is an excellent wetting vehicle for both organic and inorganic pigments. In hair and skin applications when used, it adds luster and contributes to a smoother application. It is a superb natural glossing agent in colour and hair applications and has also been found to boost SPF in sun and skin care formulations. Zenigloss® UP is compatible with commonly used waxes and polar oils.

### TYPICAL PROPERTIES

**Appearance at 25 °C:**

Clear to Slightly Hazy Viscous Amber Liquid

**Viscosity (cPs):** 4,000 to 10,000**Colour (Gardner):** 9 Max**Acid Value (ml KOH/g):** 32 Max**% Peroxide (mmol O<sub>2</sub>/kg):** Less than 5**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® UP 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® UP is available in 16 kg pails and 100 kg drums.



### SOLUBILITY AND COMPATIBILITY

**(Zenigloss® UP @ 10% & Solvent @ 90%)**

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

### APPLICATIONS

**Colour Care:**

Lipsticks, Gloss Sticks and Pots, Concealer Sticks, Pencils, Mascara, and Foundations.

**Skin Care:**

Make-up remover, Night creams, and Cuticle creams.

**Sun Care:**

Sunscreen lotions, Sticks and Balms, Suntan Gels and Oils.

**Hair Care:**

Shampoos, Conditioners, 2 in 1 Shampoos and Gloss sprays.

**Typical Use Levels:** 0.25 to 10.00 %TDS Z44104 Rev.1  
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