



## ZENIGLOSS® S

Zenigloss® S a natural condensation polymer of castor oil, succinic acid, isostearic acid and beeswax. This solid natural emollient polymer provides adhesion and gloss in lipsticks. It has a high molecular weight (3,890), which provides good substantivity. Zenigloss® S improves the pigment wetting and dispersion properties in colour. In hair and skin applications when used, it adds luster and contributes to a smoother application. It is a superb natural solid glossing agent in color and hair applications and has also been found to boost SPF in sun and skin care formulations, and is ideal where a higher melting point is desired.

### TYPICAL PROPERTIES

<b>Appearance at 25 °C:</b>	Light Amber Creamy Paste to Solid
<b>Odor:</b>	Typical mild fatty
<b>Colour (Gardner):</b>	5 Max
<b>Acid Value (ml KOH/g):</b>	32 Max
<b>Refractive Index:</b>	1.46 to 1.48
<b>Melt Point:</b>	55 to 65 °C

### GLOBAL DESIGNATIONS

<b>Adopted INCI Name:</b>	Castor Isostearate Beeswax Succinate
<b>CAS Reg. No.:</b>	340961-03-7
<b>EINECS:</b>	Polymer Exempt
<b>ECOCERT:</b>	Certified
<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® S 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® S is available in 16 kg pails and 100 kg drums.

### SOLUBILITY AND COMPATIBILITY (Zenigloss® S @ 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
Castor Oil	COMPATIBLE	COMPATIBLE
Carnauba/Beeswax	COMPATIBLE	COMPATIBLE
Candillia wax	COMPATIBLE	COMPATIBLE

### APPLICATIONS

#### Colour Care:

Lipsticks, Lip balms, Gloss pots, Eye Pencils, and mascara.

#### Skin Care:

Moisturizers, lotions, body scrubs and balms.

#### Sun Care:

Sun stick balms.

#### Hair Care:

Pomades, hair food, styling sticks, and conditioners.

**Typical Use Levels:** 2.0 to 10.0 %

