



ZENIGLOSS[®] UPH

Zenigloss[®] UPH is a natural condensation polymer of castor oil, succinic acid, isostearic acid, and hydrogenated castor oil. This natural emollient polymer provides good adhesion and gloss in lipsticks. It has a high molecular weight (5,700) and good viscosity. It is a superb natural glossing agent in color, skin, sun and hair applications and has excellent trans epidermal water loss properties. Zenigloss[®] UPH is an ultra pure product and is recommended where odor and taste are important factors.

TYPICAL PROPERTIES

Appearance at 25 °C:	Solid Paste
Colour (Gardner):	8 Max
Acid Value (ml KOH/g):	32 Max
Melting Point (°C):	58 to 68

GLOBAL DESIGNATIONS

Adopted INCI Name:	Castor Isostearate Succinate, Hydrogenated Castor Oil
CAS Reg. No.:	321573-76-6, 8001-78-3
EINECS:	Polymer Exempt
ECOCERT:	Certified
Canada (DSL):	Listed
China (IECSC):	Pending
Australia (AICS):	Pending
Korea (ECL):	Pending
Japan (ENCS):	Pending

STORAGE AND PACKAGING

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

SOLUBILITY AND COMPATIBILITY (Zenigloss[®] UPH @ 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

APPLICATIONS

- Colour Care:**
Lipsticks, Gloss Sticks and Pots, Concealer sticks, Pencils, Mascara, and Foundations.
- Skin Care:**
Body scrubs, Balms, Creams and Lotions.
- Sun Care:**
Sunscreen balms.
- Hair Care:**
Pomades and styling.
- Nail Care:**
Cuticle creams.

Typical Use Levels: 2.0 to 25.0 %

