



ZENOLATUM®

Zenolatum® is a natural high molecular weight condensation polymer of castor oil, succinic acid, isostearic acid, and hydrogenated castor oil. This natural emollient is a gelled oil that can be used in a variety of anhydrous products and emulsions, with improved high temperature stability, and is vegetable alternative to petrolatum. Zenolatum® is a good pigment wetter and also increases viscosity to maintain pigment suspension, it is particularly useful in lip glosses due to the excellent tack and ability to create a soft product with good high temperature stability. It can be used as an oil phase thickener and stabilizer in W/O emulsions, and has excellent compatibility with a variety of waxes. In O/W emulsion skin care applications, Zenolatum® provides good cushion, a pleasant emollient after feel to products for normal to dry skin and has excellent TEWL properties.

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

Zenolatum® 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.

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

SOLUBILITY AND COMPATIBILITY (Zenolatum® @ 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
Dimethicone 200-100	INSOLUBLE	INSOLUBLE

APPLICATIONS

Colour Care:

Lipsticks, Gloss Sticks and Pots, and Lip Balms.

Skin Care:

Moisturizers and Skin creams.

Sun Care:

Sunscreens and after sun lotions.

Hair Care:

Pomades and Styling products.

Typical Use Levels: 2.0 to 25.0 %

