



## ZENICONE<sup>®</sup> XX

Zenicon<sup>®</sup> XX is a multifunctional water and alcohol soluble polymer with a molecular weight of 6,000 that is derived from of castor oil, and dimethicone copolyol. It goes clear into formulas, and provides an efficient delivery system to the skin and hair. Zenicon<sup>®</sup> XX is non ionic and compatible with cationic and anionic surfactants systems, plus it helps to boost and stabilize foam, also reduces drainage to produce creamier products. In O/W and W/O systems Zenicon<sup>®</sup> XX acts as a coupler, and improves the post rinse after feel in skin and sun applications.

### TYPICAL PROPERTIES

**Appearance at 25 °C:** Yellow Liquid  
**Colour (Gardner):** 5 Max  
**Acid Value (ml KOH/g):** 5 Max  
**Refractive Index:** 1.44 to 1.48

### GLOBAL DESIGNATIONS

**Adopted INCI Name:**  
PEG-8 Dimethicone,  
PEG-8 Ricinoleate  
**CAS Reg. No.:** 68937-54-2, 9004-97-1  
**EINECS:** Polymer Exempt  
**ECOCERT:** N/A  
**Canada (DSL):** Listed  
**China (IECSC):** Listed  
**Australia (AICS):** Listed  
**Korea (ECL):** Listed  
**Japan (ENCS):** Listed

### STORAGE AND PACKAGING

Zenicon<sup>®</sup> XX 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.

Zenicon<sup>®</sup> XX is available in 16 kg pails and 100 kg drums.

### SOLUBILITY AND COMPATIBILITY (Zenicon<sup>®</sup> XX @ 10% & Solvent @ 90%)

Solvent	50 °C	25 °C
Water	SOLUBLE	SOLUBLE
Glycerin (96%)	DISPERSIBLE	INSOLUBLE
Propylene Glycol	SOLUBLE	SOLUBLE
Mineral Oil	INSOLUBLE	INSOLUBLE
Isopropyl myristate	INSOLUBLE	INSOLUBLE
Cyclomethicone	INSOLUBLE	INSOLUBLE
Octyl palmitate	INSOLUBLE	INSOLUBLE
Safflower Oil	INSOLUBLE	INSOLUBLE
Ethanol (95%)	SOLUBLE	SOLUBLE

### APPLICATIONS

**Skin Care:**  
Liquid Soaps, Body Washes, Lotions, Creams, and Moisturizers.

**Sun Care:**  
Spray on Creams and Sunscreen lotions.

**Hair Care:**  
Clear gel shampoos, Conditioners, and 2 in 1 shampoos.

**Typical Use Levels:** 0.25 to 4.00 %

