



# CP LOTION MAKER

## TECHNICAL BULLETIN

**CP Lotion Maker** is a ready-to-use liquid polymer based on the "Hydro Swelling Droplets" concept. When added to polar systems it hydrates and swells instantly without the necessity to heat or modify the pH. **CP Lotion Maker** is unpreserved as supplied and is acrylamide free.

### 1. PRODUCT IDENTIFICATION

Chemical description	: emulsion of sodium polyacryloyldimethyl taurate
INCI name	: Sodium polyacryloyldimethyl taurate, hydrogenated polydecene, trideceth-10
CTFA name	: Sodium polyacryloyldimethyl taurate (and) hydrogenated polydecene (and) trideceth-10

### 2. GENERAL CHARACTERISTICS

Appearance at 25°C	: viscous emulsion
Odour	: from odourless to slightly aliphatic
Bulk Viscosity (Brookfield RVT)	: max 6000 cps
Viscosity 2% w/w water sol. (Brookfield RVT)	: 45000 – 65000 cps
Solid content %	: 36.0 - 42.0
pH (2 % solution)	: 6.0 - 8.0
Total Viable Count, CFU/g	: max 100

### 3. USE

**CP Lotion Maker** is a ready-to-use polymeric thickener/stabilizer for cosmetic emulsions. It is suggested to add the product under stirring, after the mixing of the water and oil phase. Nevertheless the product can also be added at any step of the formulation both in cold or warm process. To obtain a good emulsion is not necessary to mix for long time. It can be used under neutral as well as acidic conditions.

Average use level is 2% as supplied. In some applications higher use level may be recommended. It can be used at lower levels (0.5 – 0.8%) as a co-emulsifier.

### 4. APPLICATION

**CP Lotion Maker** can be used in leave-on products: creams, lotions, milks, sunscreens. It can thicken fatty phase-based products, stabilize high amount of fatty phases and has a very high compatibility with silicones. It works also as a co-emulsifier and works even at low pH (3.0 – 3.5). It can be used in cold or hot processes.

**CP Lotion Maker** shows compatibility with DHA for formulating sunless tanning products and can be used to stabilize and suspend inorganic UV filters, such as Titanium Dioxide, in sun care emulsions.

### 5. STORAGE and HANDLING

In order to preserve the properties of the product, **CP Lotion Maker** should be stored in the temperature range of 0 - +40°C, protected from direct sun light and prevented from freezing. We recommend shaking before use.

**Shelf life:** 1 year

These products must be stored, handled and used following hygienic and safety rules of good industrial use and in compliance with effective law disposal. All information and data given herein are based on our present experience but are presented without warranty or responsibility of any kind. This document substitutes every previous edition. July 2011.



#### TECHNICAL INFORMATION

WARRANTY - SAFETY DATA SHEET

This information is given in good faith and to the best of our knowledge. Every user of our products is responsible as regards observation of all legal regulations including patent laws. Detailed information on handling, and eventual precautions to be observed in the use of the product can be found in our relevant Health and Safety Information Sheet.

