



## VISCOLAM CK1 TECHNICAL BULLETIN

**VISCOLAM CK1** is a crosslinked alkaly swellable polyacrylate that forms viscous surfactants gels, permits crystal clear gel formation also in presence of salts and imparts enhanced suspending properties.

### 1. PRODUCT IDENTIFICATION

Chemical description	: Copolymer of ethyl acrylate and methacrylic acid in water
INCI name	: Acrylates Copolymer
EINECS/ELINCS number	: not applicable, polymer

### 2. GENERAL CHARACTERISTICS

Appearance at 25°C	: milky liquid
Odour	: mild acrylic
Solid content (%)	: 30% approx.
Bulk Viscosity at 25°C (mPa*s)	: 100 max.
Bulk pH at 25°C	: 3 approx.
Viscosity mPa*s (1.0 % a.m. water disp. @ pH=7.5, 20 rpm, 25°C)	: 5000 approx.
Preservation	: unpreserved.

### 3. USE and APPLICATIONS

**Use:** **VISCOLAM CK1** dosage may vary within a wide range of concentrations: typically 5 - 10 % as supplied. In order to achieve best of clarity, suspending and viscosifying properties observe the following procedure:

- add **VISCOLAM CK1** to the de-ionized water under moderate stirring
- add anionic surfactants
- neutralize to pH 6.5 – 7.0 approx. in order to swell the polymer and get a crystal clear gel
- add amphoteric surfactants
- add remaining ingredients, such as silicones, colour, mica, beads, fragrances
- add preservatives
- if desired add sodium chloride

Alternative orders of addition can occur and neutralization can be made at the end of production. After dilution in a separate vessel, **VISCOLAM CK1** can also be added to the surfactants blends and then neutralized under stirring. To assure a crystal clear appearance the final pH must remain  $\geq 6.5$ .

**Applications:** in surfactant-based products like shower and bath gel to viscosify and suspend: beads and walnut shells for scrub gels, opacifiers for milky formulations, pearling agents.

### 4. PACKAGING

**VISCOLAM CK1** is supplied in 125 Kg net weight plastic drums.

### 5. STORAGE and HANDLING

To preserve the properties of the product, we suggest to store in a temperature range between +5 and +40°C, protected from direct sun light and prevented from freezing. Under these conditions the shelf life of **VISCOLAM CK1** is twelve months.

This product 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. September 2013



### 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.

