



# Multicare MP40KC

Thickening, Emulsifying and Stabilizing polymer

Multicare MP40KC is an innovative thickening polymer of W/O emulsion for personal care. It is composed of a unique sodium acryloyl dimethyl taurate based polymer, a natural sustainable EO free surfactant and oil.

## Description/General Characteristics

- Classification: Thickening, stabilizing polymer in liquid form.
- INCI Nam: Sodium Poly Acryloyl Dimethyl Taurate & Dicaprylyl Ether & Polyglyceryl-10 Dilaurate
- CAS No.: N/A & 629-82-3 & 34406-66-1

## Features/Benefits

- Safe substance using non-toxic natural ingredients
- Free of acrylamide, acrylamide derivatives and ethylene oxide
- Ready to use, pre-neutralized polymer working at a wide range of pH
- High salt efficiency, emulsifying almost all types of oils
- Foaming gels, cream-gels and emulsions easily under very moderate shear

## Applications/Uses

- Applicable for various types of skin/sun/hair/make-up preparations for gels, gel-cream and emulsions
- Formulators' essential substance for the creation of various products such as:  
Moisture/Bath preparations  
Skin, Hair, Sun, Make-up and Baby care  
Skin cream, Gels, Cleansing lotion

## Usage/How to use

- Put into any of water phase and keep homogenization for 5min
- Recommended dosage in gel cream: 1-3%

## Typical properties

Subject	Specification
Appearance	Fluid emulsion
Odor	Characteristic odor
pH*	5.5-7.5
Viscosity(cPs)*	65,000-90,000
Viscosity, as supplied(cPs)	1,500-5,000
Solid content(%)	49-53

\*2% in water solution at 25°C

## Guide formulations

- Moisture Cream
- Ampoule
- Gel cream
- Body butter cream

## Storage and Handling

- Packing : 20kg PE Pail(net weight basis)
- Shelf-Life: 12 months from manufacturing date
- Storage conditions:  
Normal temperature and pressure  
Protect from heat and direct sunlight  
Keep container sealed, Requirements to be met by storerooms and receptacles

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products describe or their suitability for a particular application. The quality of our products is guaranteed under or General conditions of sale.

For further information, please visit [www.kcilt.com](http://www.kcilt.com)

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