

PRODUCT DATA

EverMAP™ 160K

MAY2011

Trade Name:	EverMAP™ 160K
INCI Name:	Potassium Cetyl Phosphate
Chemical Name:	Potassium Monocetyl Phosphate
CAS No.	19035-79-1
EINECS No.:	242-768-1
Molecular Weight:	360.40
Structure (Idealized structural formula):	$C_{16}H_{34}O_4PK$

EverMAP™ 160K is a water soluble long chain organic phosphate ester supplied as potassium salt with powder form. It is generally used as a co-emulsifier with low HLB nonionics, and is completely non-irritating to skin.

EverMAP™ 160K is easily dissolved into the hot water during emulsion processing. EverMAP™ 160K, at low use concentrations, will enhance the stability of emulsions and help to thicken creams and lotions. It can replace TEA-stearate in most preparations. EverMAP™ 160K is ideally suited for use in personal care products, notably dermatological skin care products. Typical product use level is 0.5-5%.

In applications, EverMAP™ 160K offers the following features and benefits:

- Emulsion Stabilizer: -overcomes imbalances in HLB emulsifier values
- Easy to formulate: -hot water soluble.
- Easier to use than polyacrylic acid in emulsion manufacture, without dispersion, wetting problems or fish eyes in solution
- Provides a good rub out and pleasant soft after-feel to skin, but does not inhibit quick break emulsion properties
- Good skin after-feel.
- Easy to handle in manufacturing with powder form.

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Typical Properties:

Trade Name	EverMAP™ 160K
Appearance	White to off-white powder or flake
pH Value (1% solution)	6.5-8.5
Acid Value (mgKOH/g)	130-155

Solubility:

Soluble in hot water

Storage Conditions:

Keep container tightly closed. Store dry at room temperature.

Packaging:

25KG fiber drums.

Retest Date:

24 months from the manufacturing date.

Applications:

Creams, Shower Gels, Liquid soaps, Lotions, Personal wash products, Shampoos, skin care and sun care products etc.