

Ester Ethoxylates (KEST)



KIMYAGARAN
Emrooz
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Technical Data Sheet



Ester Ethoxylates (KEST)

Chemical Name:

Ester Ethoxylates

Trade Name:

KEST

Introduction:

Ester Ethoxylates are nonionic surfactants which are such as all kinds of other nonionic surfactants mixtures varying in the number of repeating ethoxy groups. The digit which is appeared after the name of KEST shows the average molecular weight of polyethylene glycol unit in the Ester Ethoxylates molecule.

Different grades:

KEST 150, KEST 308

General Applications:

Ester Ethoxylates are used in a wide variety of applications; they have been developed for use as solubilizers, refatting agents, emollients, emulsifiers and a moisturizers in many personal care and cosmetic formulations like Deodorants, Facial Cleansers, Facial Color Cosmetics, Liquid Handsoaps, Shampoos, Shaving Products, and Shower Gels/Body Washes. Ester Ethoxylates in general are known to clean the skin and hair by helping water to mix with oil and dirt so that they can be rinsed away.

Polyethylene Glycol Esters can be used in liquid soaps, as emulsifiers, pearlizers, stabilizers, solubilizers and viscosity control agents. They also find use in the metalworking, pulp and paper, textile, household and institutional industries.

Polyethylene Glycol Esters are excellent viscosity builder for aqueous and aqueous- alcoholic systems. They are naturally derived building block for gel formulations. A 5%



solution forms a gel. They provide moisturization in skin care products and conditioning in ethnic hair care products.

Packaging:

Packaging Type	Net weight	Gross weight	No. of drums per pallet	No. of pallets in a 20 FLC	Shelf life	IMCO Class
New PE Drums	220 Kgs	238 Kgs	4	20	2 yrs	Non-Imco

Notice:

We can produce other types of Esters Ethoxylates (KESTs), moreover customized packaging will be available according to customer's request.

Safety, Handling & Storage:

Full information on the safety, handling and storage of KESTs is available in the corresponding Material Safety Data Sheet ([MSDS KEST 150](#) or [MSDS KEST 308](#)).



PEG-150 Distearate

Trade Name: **KEST 150**

Specification

No.	Test	Standard	Reference
1	Appearance	Pale Yellow Solid	BP 2008, ASTM
2	Melting Point, °C	52-58	
3	Saponification value, mg KOH/g	15-24	
4	Acid value, mgKOH/g	Max. 10	
5	EO & Dioxane, ppm	1 & 10	
6	Heavy metal, ppm	10	
7	Water, percent	Max. 3	



PEG-7 Glycerol Cocoate

Trade Name: **KEST 308**

Specification

No.	Test	Standard	Reference
1	Appearance	Liquid, not more intensely colored than reference solution Y2	BP2017
2	Saponification value, mg KOH/g	85-105	
3	Hydroxyl value, mg KOH/g	170-210	
4	Acid value, mg KOH/g	Max. 5	
5	Alkalinity	NMT 0.5cc HCl 0.1M	
6	Iodine value	Max. 5	
7	EO& Dioxane, ppm	1&10	
8	Water, percent	Max. 1	
9	Total ash, percent	Max. 0.3	

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