

SPAK ORGOCHEM (INDIA) PVT LTD

(Govt. Approved Export House)

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Polyethylene Glycol Esters (PEG Esters) of Fatty Acids

Spak Orgochem offers fatty acid esters based on various Polyethylene Glycols e.g. PEG 200/ PEG 400/ PEG 600. The products are made from fatty Acids of Vegetable origin.

The Esters made with various combinations of PEG's and Fatty Acids are listed below

PEG's	Fatty Acids	Various Esters
1) PEG-200	1) Oleic Acid (Palm Origin)	1) PEG-200/ 400/ 600 Mono Oleate
2) PEG-400	2) Oleic Acid (Indian Origin)	2) PEG-200/ 400/ 600 Di Oleate
3) PEG-600	3) Coconut Fatty Acid	3) PEG-200/ 400/ 600 Mono Laurate
4) PEG-4000/6000	4) Stearic Acid	4) PEG-200/400/600 Di Laurate
		5) PEG-4000/6000 stearic

The specifications of most popular PEG Esters are given below and of other esters are available on request

Product	PEG-400 Di Oleate (PEG-400 DO)	PEG-600 Di Oleate (PEG-600 DO)	PEG-400 Di Laurate (PEG-400 DL)
Appearance	Yellow to Amber Liquid	Yellow to Amber Liquid	Yellow to Amber Liquid
Acid value	10 Max	10 Max	10 Max
SAP value	113-122	92-102	127-137
Solubility in Water	Dispersible	Dispersible	Dispersible
Cloud Point (1% aqu Solution)	< 7 ^o C	80 ^o C	29 ^o C
HLB	8.3	10.6	9.7

Applications of PEG Esters:

PEG Esters especially Oleates are popularly used in various defoaming applications including lubricants, fermentation, etc.

Used as emulsifiers and lubricants in Bath oils, Bath lotions and After Bath product.

Used as emollients in creams and lotions and Opacifiers in Hair Care Products

Used as emulsifiers in mineral oil based metal working lubricant formulations.

Also used as primary and auxiliary emulsifiers in textile and leather applications.