



COSMETIC
SUPPLIES
USA, INC.



POLYSORBATE 80

Polysorbate 80 (commercially also known as Tween 80, a registered trademark of ICI Americas, Inc.) is a nonionic surfactant and emulsifier derived from polyethoxylated sorbitan and oleic acid, and is often used in foods. Polysorbate 80 is a viscous, water-soluble yellow liquid. The hydrophilic groups in this compound are polyethers also known as polyoxethylene groups which are polymers of ethylene oxide. In the nomenclature of polysorbates, the numeric designation following polysorbate refers to the lipophilic group, in this case the oleic acid. Polysorbate 80 is often used in food and other products as an emulsifier.

Tween 80

Polysorbate 80, also known as polyoxyethylene sorbitan monooleate or Tween TM 80, is an amber-colored, viscous liquid with a slightly bitter taste. It is used primarily as an emulsifier in food products, cosmetics, vitamins, medicines, and vaccines. The product is a derivative of sorbitol and oleic acid, and is manufactured worldwide.

Chemical and Physical Data	
Ignition temperature	180 C
Solubility	(20 C) soluble
Density	1.07 g/cm ³ (25 C)
pH value	5 - 7 (50 g/l, H ₂ O, 20 C)
Boiling Point	> 100 C (1013 hPa)
Viscosity Kinematic	300 - 500 mm ² /s (25 C)

The above data is provided for the convenience of the user and does not relieve the user of normal liability for inspection of material upon delivery or prior to actual use. Statements concerning the possible use of our product are not intended as a recommendation to use our product in the infringement of any patent.

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