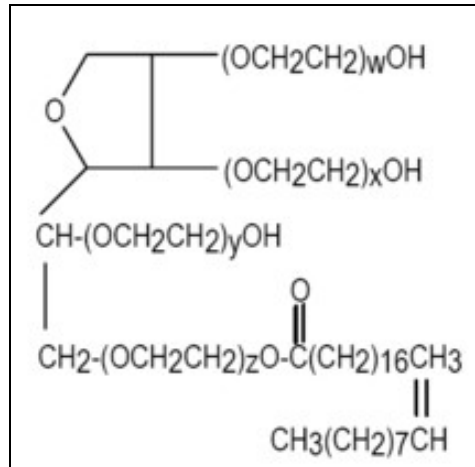


Polysorbate 80

DEFINITION: Polysorbate 80 is a mixture of oleate esters of sorbitol and sorbitol anhydrides, consisting predominantly of the monoester, condensed with approximately 20 moles of ethylene oxide. It conforms to the formula:



where $w + x + y + z$ has an average value of 20

DESCRIPTION: Polysorbate 80 is used as an emulsifier with a wide range of hydrophilic characteristics. It is used individually, or in combination with a variety of other hydrophobic emulsifiers to cover a wide range of oil in water, and water in oil emulsion systems. Individually, it is an excellent solubilizer of essential oils, wetting agent, viscosity modifier, antistat, stabilizer and dispersing agent. It is used to prepare a wide variety of products in the food, cosmetic, drug, textile and metalworking industries.

General Data:

Physical Form @ 25°C Yellow Liquid
HLB 15
CAS Number 9005-65-6

SPECIFICATIONS

Hydroxyl Value 65 - 80
Saponification Value 45 - 55
Acid Value 2 Max.
Water, % 3 Max.
Color, Gardner (1963) 5 Max.