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Technical Data Sheet
POLYSORBATE 20

Product Identification

Product Name : POLYSORBATE 20
Chemical Name : Polysorbate - 20
Synonyms : Polyoxyethylene (20) Sorbitan Monolaurate, Tween 20, Polysorbate-20, Sorbitan Monolaurate Ethoxylate, PEG-20 Sorbitan Monolaurate, Ethoxylated Sorbitan Laurate, POE (20) Sorbitan Monolaurate
CAS No : 9005-64-5

Product Description

Polysorbate 20 is a non-ionic surfactant and emulsifying agent widely used in pharmaceutical, cosmetic, food, and industrial applications. It appears as a yellow to amber viscous liquid with excellent solubilizing, dispersing, and wetting properties. The product is highly soluble in water and helps stabilize oil-in-water emulsions effectively. It is commonly used in creams, lotions, shampoos, syrups, detergents, and specialty chemical formulations.

Specifications

Parameters	Specification
Appearance	Oily Yellow to Amber Viscous Clear Liquid
Acid Value mgKOH/gm	2.0 max.
Saponification Value mgKOH/gm	40 – 50
Hydroxyl Value, mgKOH/gm	96 – 108
Moisture, by KFR, %	3.0 max.
Iodine Value, cc/gm	5.0 max.
pH of 5% soln	5 – 7
HLB	16.7
Solubility	Soluble in Water & Alcohol
Heavy Metals, ppm	10 max.
Nature	Non-hazardous, Non-Flammable, Non-Toxic

Applications:

Nonionic, solubilizer, o/w emulsifier, antistat and fiber lubricant used in textile industry, wetting agent, viscosity modifier, suspending agent used in food, cosmetics, drugs, textile and metal working industries, solubilizer for perfumes and flavours, insecticides, herbicides, paints and inks, pharmaceuticals.

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Storage & Handling

Store and use in well-ventilated areas. Do not store or use near heat, spark or flame. the usual precautions for handling chemicals should be observed.

Packing : 25 Kg / 50 Kg HDPE Carboys and 200 Kg HDPE Drums

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