

ALKEST® TW 20

Technical DataSheet | Supplied by Oxiteno

Polysorbate 20. ALKEST® TW 20 acts as a humectant, anti-static agent, co-surfactant and dispersant/ solubilizer of oils and fragrances. It is made up of ethoxylated sorbitan esters derived from the reaction of sorbitol with fatty acids sourced from a vegetable source only. It is hydrophilic in nature having high HLB values. The presence of the polyoxyethylene chain makes it soluble or dispersible in water, which favors its application in oil-in-water (O/W) emulsions. ALKEST® TW 20 is used in shampoos, hand soaps, body washes and for as mild products, such as baby shampoos.

Claims

Dispersants
 Humectants > Others
 Solubilizers
 Surfactants / Cleansing Agents
 Anti-static Agents > Specialty/Others
 vegetal origin
 mildness
 bio/ organic

INCI Names

POLYSORBATE 20

Chemical Composition

Ethoxylated Sorbitan Monolaurate 20 EO

CAS Number

9005-64-5

EINECS/ELINCS No:

500-018-3

Appearance

Liquid

Product Status

COMMERCIAL

Applications/ Recommended for

Toiletries (Shower & Bath, Oral care...) > Shower & bath > Shower gels & creams
 Toiletries (Shower & Bath, Oral care...) > Hand wash & sanitizers
 Hair care (Shampoos, Conditioners & Styling) > Shampoos
 Perfumes & fragrances
 Skin care (Facial care, Facial cleansing, Body care, Baby care) > Baby care > Baby shampoos

Regulatory Status

US, EU

Bio Based

Yes

Bio Based Content (%)

38%, Based on sorbitan esters derived from a vegetable source

Labels/Agency Rating

CTFA-listed

ALKEST® TW 20 Properties

Property	Value & Unit	Test Condition	Test Method
Saponification Value	40 - 50 mg KOH/g		
Acid Value	< 2.0 mg KOH/g		
Hydroxyl Value	96 - 108 mg KOH/g		
Water	< 3.0 %		
Calculated HLB	16.7		

Solubility	Element	Test Condition	Test Method
Soluble in	water		

Compatibility Products

Help us improve the Universal Selector

You can't find what you are looking for? Please report missing products / suppliers, point out errors, or simply tell us how we could make the Universal Selector better.