



ENERGY & RESOURCES

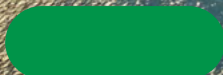
Water Treatment

Where Chemistry Cleans,
Innovation Flows.



INDORAMA
VENTURES

Indispensable Chemistry





Water Treatment

Emulsifiers and Wetting agents

Polysorbates are essential in water treatment, **stabilizing emulsions during polymer production** and **enhancing the coagulation process by acting as wetting agents**. They optimize **contaminant removal, lower operational costs, and improve floc formation**. Selecting the appropriate polysorbate is key to achieving effective and sustainable water treatment solutions.



Indovinya presents a line of products designed to **meet the most diverse demands in water treatment**, standing out for its wide range of certifications, including **FDA, Kosher and Halal**. The portfolio **includes both plant-based and animal-based products**, offering versatile solutions that are **compatible with different industrial systems and requirements**. This approach **ensures flexibility to meet global and specific quality, sustainability, and compliance standards**, always with a focus on **efficiency and superior performance**.



Product	Appearance (25°C)	HLB	Viscosity (cSt @ 25°C)	Renewable content	Certifications
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WETTING AGENTS

POE 20 SORBITAN MONOOLEATE



ALKEST® TW 80	Yellowish Clear Liquid	15	400	32%	
ALKEST® TW 80 K	Yellowish Clear Liquid	15	400	32%	  
ALKEST® TW 80 NV	Yellowish Clear Liquid	15	400	32%	

CO-EMULSIFIERS

POE 3 SORBITAN MONOOLEATE

ALKEST® TW 815 NV	Amber liquid	8	600	85%	
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POE 5 SORBITAN MONOOLEATE

ALKEST® TW 81	Amber Liquid	10	350	68%	
ALKEST® TW 81 K	Amber Liquid	10	350	68%	  
ALKEST® TW 81 NV	Amber Liquid	10	455	68%	

POE 9 SORBITAN MONOOLEATE

ALKEST® TW 845 NV	Amber liquid	12	420	54%	
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POE 20 SORBITAN TRIOLEATE

ALKEST® TW 85	Amber Liquid	11	290	52%	
ALKEST® TW 85 K	Amber Liquid	11	290	52%	  



DISCLAIMER

This information is provided in good faith, based on Indorama Ventures' current knowledge of the subject and is purely indicative. No information, including suggestions for using the products, should preclude experimental testing and verification, which are essential to ensuring the suitability of the products for each specific application. Consult the contact from your region or country regarding the availability of each product. All users must also respect local laws and obtain all the necessary permits. When handling the product, consult the safety data sheet. If you have any questions or additional needs, please contact Indorama Ventures through our customer service channels.

JANUARY/25.