

Textile Solutions





Specialty Surfactants for Textile Production

Vantage offers a wide range of specialty surfactants for textile production, adapted for each step of the textile manufacturing process such as spinning, pretreatment, dyeing, finishing and coating.

The functions covered by our products range from wetting, spin finishing and levelling to cleaning and lubrication, while offering antistatic or low-foaming properties. Depending on the desired functionality per process step, we recommend different surfactant solutions from our range of ethoxylates of fatty alcohols, fatty amines, fatty acids and castor oil, or alkoxyates, alkane sulfonates and polyethylene glycols.

Customized solutions based on different starting materials and/or variations in ethoxylation/propoxylation ratios can be created according to your specific needs.



The right functionality for every production step

Function	Product group	Spinning	Pretreatment	Dyeing	Finishing	Coating
Wetting	Leunapon® F Fatty Alcohol Ethoxylates	●	●		●	
	Leunapon® ER Castor Oil Ethoxylates	●				
Low foaming	Leunapon® F Fatty Alcohol EO/PO's	●	●			●
Spin finishing & levelling	Leunapon® P Fatty Amine Ethoxylates			●	●	
	Leunapon® SU Fatty Acid Ethoxylates			●	●	
Antistatic & Cleaning	Emulgator E30® Alkane Sulfonates	●	●			
Lubrication	Leunapon® MG Polyethylene Glycols	●				
	Leunapon® GN Glycerine Ethoxylates					

● Highly recommended

● Applicable

Our Solutions for Textile Production



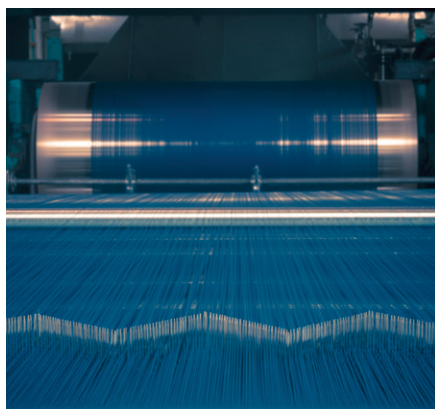
SPINNING

During spinning natural fibres get converted into yarn for further processing. The fibres get coated with hardly degradable chemicals to make subsequent steps in the production process easier. Vantage™ offers low foaming surfactants like Leunapon™-F 10/5/P2.5/E and Leunapon™-F 11/6/P4/E to increase quality during spinning, while Leunapon™-ER 11 is an excellent emulsifier for synthetic fiber spinning oils. Anionic surfactants like Emulgator E30™ can act as anti-static and cleaning agents. Lubrication can be provided by ethoxylated glycerine products like Leunapon™-GN 17.



PRETREATMENT

The textile raw material must go through pretreatment, a step in which loose fibres and yarn get removed and the textile material gets bleached, refined and desized. Vantage™ offers a wide range of fatty alcohol ethoxylates like Leunapon™-F 10/11/E, Leunapon™-F 11/6/90/E and similar groups, to meet different needs in the pretreatment process. Fatty alcohol ethoxylates ensure the surface is properly wetted, helping with the dispersion of dirt and oil particles during washing and industrial cleaning. Oil stains from industrial processes can get easily removed and the chemicals agents furthermore improve the bleaching efficiency.



DYEING

During dyeing the fabric chemicals often act as carriers. Fatty amine ethoxylates like Leunapon™-P 1618/20 and fatty acid ethoxylates like Leunapon™-SU 1618/8 offer the necessary properties to act as excellent levelling agents for many different fibre types.



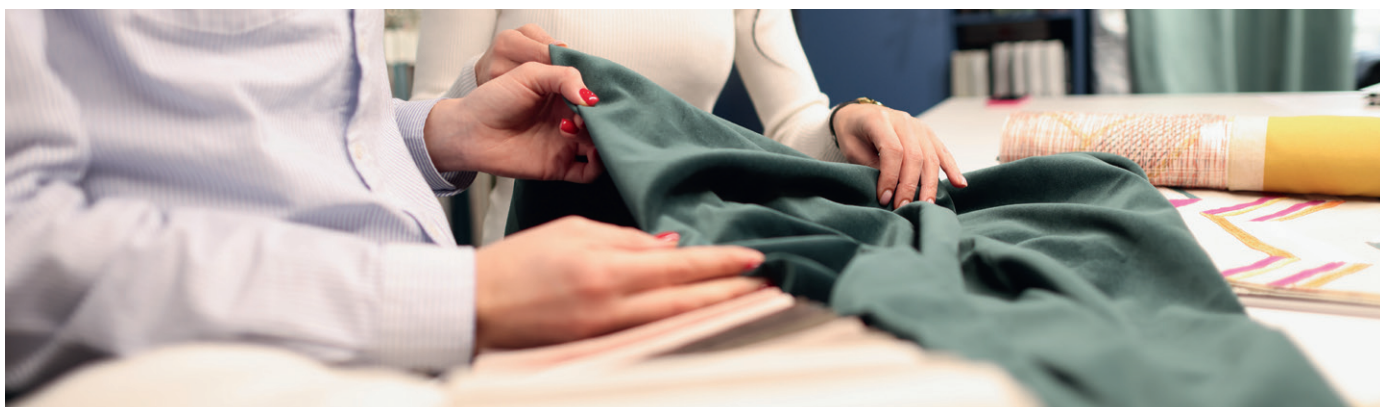
FINISHING

Finishing gives the fibres enhanced properties like waterproofness or reduced tendency to crease, making the textiles softer and more pleasant to touch. Fatty acid ethoxylates like Leunapon™-SU 1618/8 have softening and anti-static properties, therefore preventing electrification of fibres.



COATING




The last and final step of the textile processing is the coating, where typically a functional polymer with other additives is deposited over a textile substrate to add functional properties to the fabric. Low foaming surfactants, such as Leunapon™-F 11/6/P4/E, are often being used as an emulsifier and foam controlling agent.



Product Overview

Brand name	CAS-Number	Features	Spinning	Pretreatment	Dyeing	Finishing	Coating
------------	------------	----------	----------	--------------	--------	-----------	---------

FATTY ALCOHOL ETHOXYLATES

	Leunapon™-F 10/5/E	78330-20-8	Cleaning and wetting agent		•			
	Leunapon™-F 10/11/E	78330-20-8	Cleaning and wetting agent		•			
	Leunapon™-F 11/6/90/E	169107-21-5	Cleaning and wetting agent		•			
	Leunapon™-F 1214/5	68439-50-9	Cleaning and wetting agent	•			•	
	Leunapon™-F 13/8/E	78330-21-9	Cleaning and wetting agent		•			
	Leunapon™-F 13/8/IT	69011-36-5	Cleaning and wetting agent		•			
	Leunapon™-F 1618/6	68439-49-6	W/O emulsifier		•			
	Leunapon™-F 1618/25 SW	68439-49-6	O/W emulsifier		•			



CASTOR OIL ETHOXYLATE

	Leunapon™-ER 11	61791-12-6	Emulsifier and wetting agent	•				
--	-----------------	------------	------------------------------	---	--	--	--	--

FATTY ALCOHOL EO/PO'S

	Leunapon™-F 10/5/P2.5/E	154518-36-2	Low foaming surfactant	•	•			•
	Leunapon™-F 11/6/P4/E	103818-93-5	Low foaming surfactant	•	•			•


FATTY AMINE ETHOXYLATES

	Leunapon™-P 1618/20	61791-26-2	Spin-finish and levelling agent			•	•	
	Leunapon™-P 1618/40	61791-26-2	Spin-finish and levelling agent			•	•	

FATTY ACID ETHOXYLATE / PEG-MONO-ESTER

	Leunapon™-SU 1618/8	9004-96-0	Spin-finish and levelling agent			•	•	
---	---------------------	-----------	---------------------------------	--	--	---	---	--

GLYCERINE ETHOXYLATE

	Leunapon™-GN 17	CAS 31694-55-0	Solubilizer, lubricant and moisturizer	•				
---	-----------------	----------------	--	---	--	--	--	--

POLYETHYLENE GLYCOL

	Leunapon™-MG 300	25322-68-3	Solubilizer, lubricant and moisturizer	•				
--	------------------	------------	--	---	--	--	--	--

ALKANE SULFONATE

	Emulgator E30™	68188-18-1	Anti-static agent in synthetic fiber processing, cleaning agent	•	•			
--	----------------	------------	---	---	---	--	--	--

 Product based on natural raw materials.



Looking for something else?

We will be delighted to support you with customized solutions, such as products in different dilutions or tailor-made surfactants based on different starting materials and EO/PO ratios.

With flexibility in batch sizes and packaging units, we assist you in optimizing your supply chain.

For more information and to discuss your specific requirements, please do not hesitate to contact one of our local sales representatives or email us at leuna@vantagegrp.com.



Vantage Leuna GmbH
Am Haupttor
Gebäude 7302
06237 Leuna

Phone: +49 (0)3461 43 43 87
E-Mail: leuna@vantagegrp.com
www.vantage-leuna.de

