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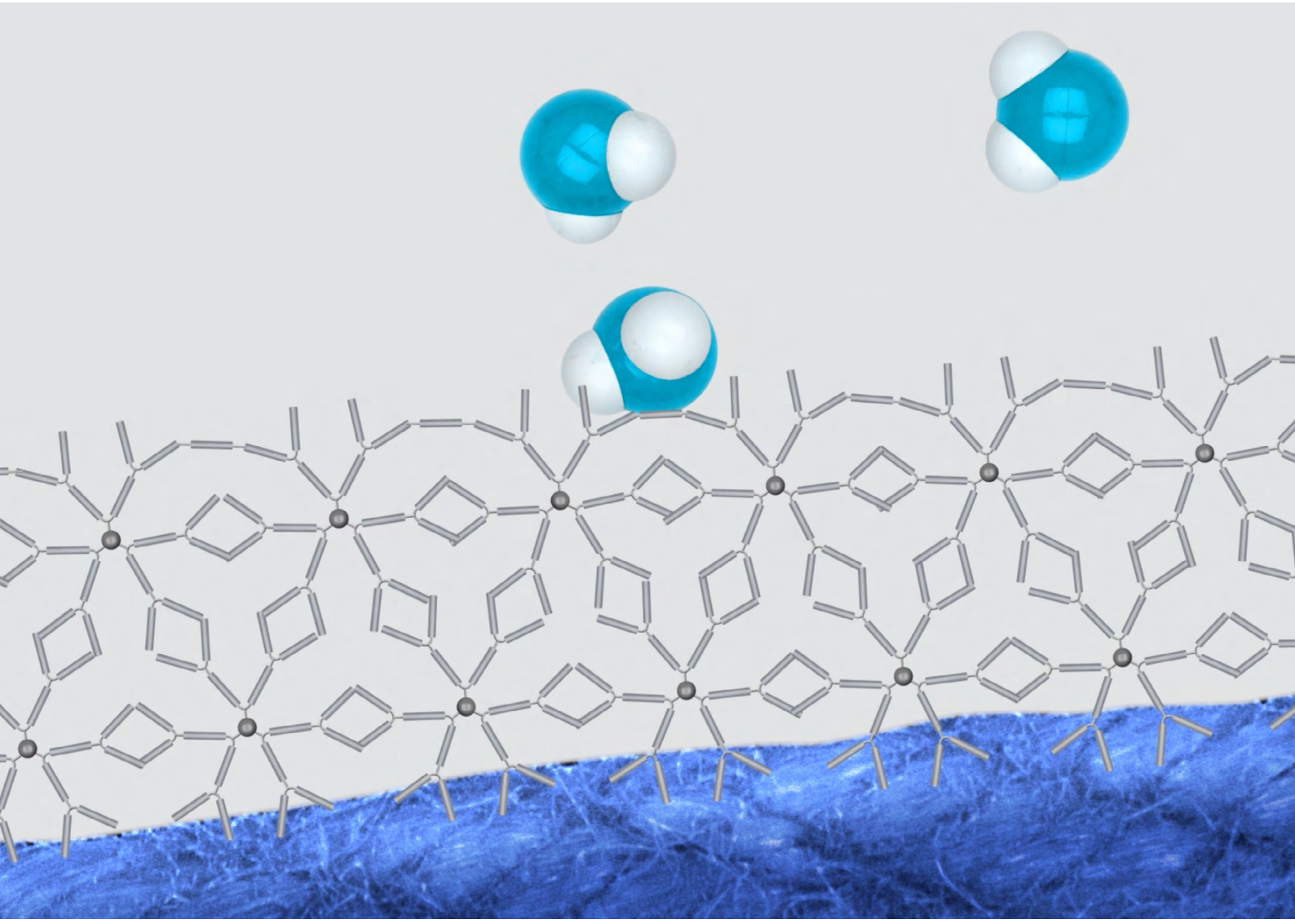
BETTER CHEMISTRY



BIONIC-FINISH® ECO

Fluorine-free, water repellent finish for ultimate performance

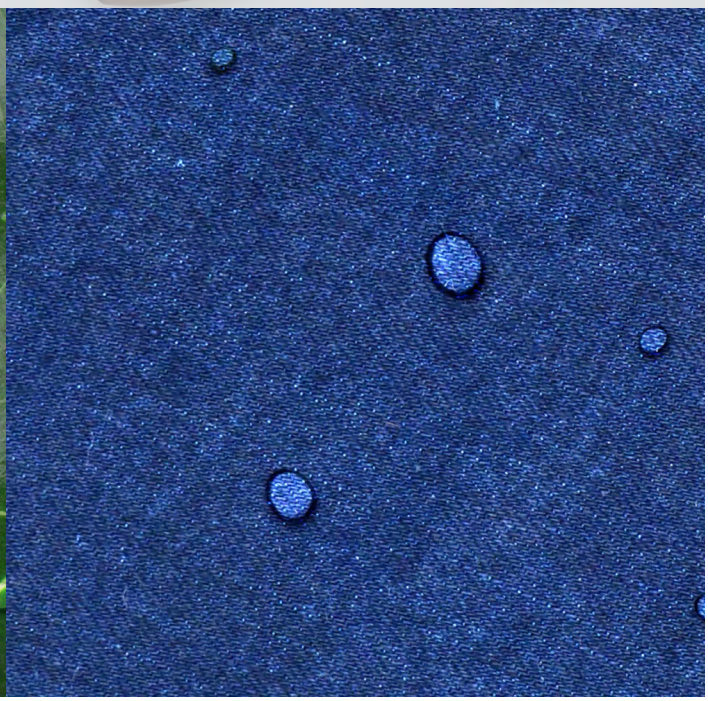
BIONIC-FINISH® ECO

Fluorine-Free Water Repellent Textile Finishes For Ultimate Performance

We all come from somewhere.
We carry that place with us, wherever we go.
We come from the scientific study of nature, its beauty, its logic, its mysteries.
Somewhere within the unknown there's purpose. And we are guided toward it.

Mother Nature designed many ways to benefit of water and to be sheltered from it. Many engineering challenges humans face can be solved by using natural design as a springboard. That's bionics.

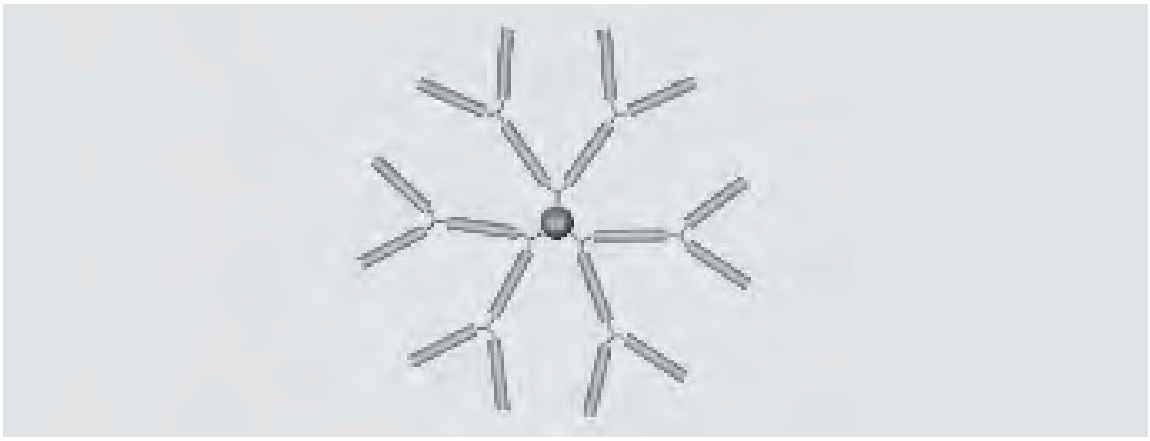
BIONIC-FINISH® ECO is Mother Nature's work reproduced on textiles and apparel to protect us from water. **To perform.**



From Mother Nature we borrowed the idea of dendrimers, molecules made of multi-functional branches that interact among themselves, co-crystallize, and self-organize into highly ordered, multi-component systems. They optimize the whole structure, attach to the textile and embed fluorine-free water repellent performance.

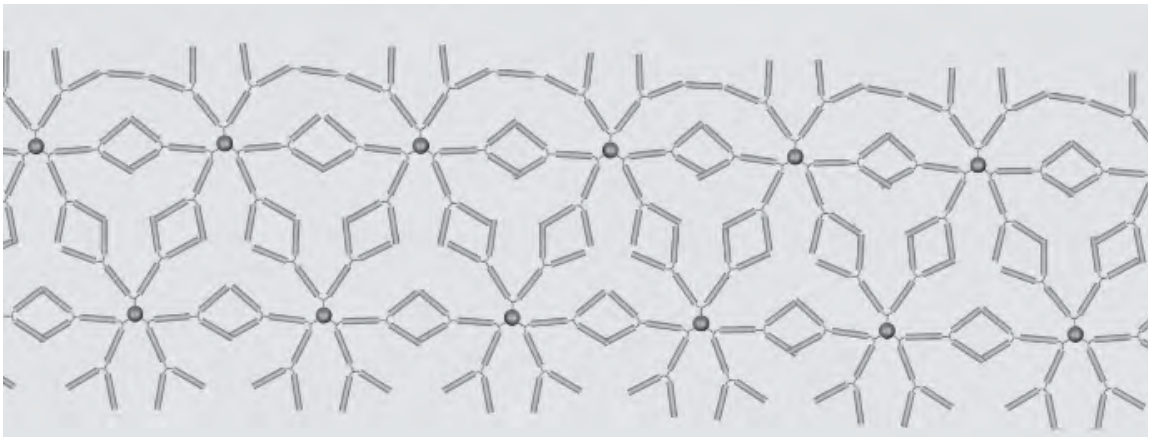
BIONIC-FINISH® ECO, based on proprietary dendrimer technology, comes as a family of unique non-halogenated, APEO-free, fluorine-free formulations suited for different materials and designed for different applications and needs. Throughout the product portfolio, **BIONIC-FINISH® ECO**'s patented dendrimer technology:

- Provides non-fluorinated and highly durable water repellent textile finishes for high performance applications;
- Delivers highly efficient and durable performance with low application amounts thus not affecting fabric feel and appearance;
- Fulfils a range of challenging technical requirements;
- Is bluesign® and ZDHC chemical gateway certified and is compliant with most RSLs;
- Is suitable for advanced technical and outdoor applications as well as for casual apparel and fashion clothing.



- Individual dendrimer

- Self allignement and organization



- Higly ordered dendrimeric system

BIONIC-FINISH® ECO portfolio includes universal and versatile solutions targeting the most standard requirements, as well as customized solutions that meet more demanding and specific expectations.

Quick Application and Properties Guide

Product	Performance Highlights	Additional Features	Main Application Method
RUCO®-DRY ECO PLUS	**Highest Water Repellency and Durability**	Universal High Performance Water Repellent Finish	Padding
RUCO®-DRY DHE	**For Raised Fabrics such as Nap, Suede and Fleece**	Softness and Retention of the Pile	Padding
RUCO®-DRY ECO DCF	**Enhanced Resistance to Dry Cleaning**	Resistant to Home Laundering	Padding
RUCO®-DRY ECO FPT	**Minimal Impact on Flame Retardant Properties**	Enhanced Laundry-Air-Dry Performance	Padding
RUCO®-DRY ECO DPC	**Highest Durability on Cellulosics**	Resistant to High Laundering Temperatures	Padding
RUCO®-DRY ECO PSS	**Cellulosics & Synthetics**	Chalkmark Resistance on Delicate Synthetics	Padding
RUCO®-COAT BC 7061 NEW	**Non-ionic Product, suitable for the combination with anionic products**	Universal High Performance Water Repellent Finish, non-ionic	Coating
RUCO®-COAT BC 7065	**Highest Water Repellency and Durability**	Universal High Performance Water Repellent Finish	Coating
RUCO®-FIL DFF	**Excellent Antiwicking behaviour and abrasion resistance for ropes**	High Performance Water Repellent Finish for the exhaust process	Yarn Treatment
RUCO®-FIL NWF	**Excellent Antiwicking behaviour, low friction and heat protection for sewing threads**	High Performance Water Repellent Finish, water free for lick-roller or metering pump	Yarn Treatment

*The products displayed are only small selection from the Rudolf product range. Your Rudolf representative may direct you to another product more suitable for your specific needs.

BIONIC-FINISH® ECO hangtag

Front

Back

None of us can entirely predict where our voyage will lead. However, **BIONIC-FINISH® ECO** will always be the fluorine-free water repellent finish for **ultimate performance**.

As it is today.

BIONIC
FINISH®ECO