

Pro-Environment Polyols

PURE INNOVATION.
PURE ADVANTAGE.



We've only got one planet

No second chances so we'd better look after it. Building a more sustainable world is all of our responsibility. It may seem daunting but just take it one step at a time. And if a billion people can take a billion first steps we can change our world – for the better.

Perstorp has taken many steps down the pro-environmental path, and declare we are proud pro-environmentalists. Not just in sustainable science & technology but daily through our pro-environmental behavior as we seek to inspire those around us – our people, customers & neighbors.

Let's take the next pro-environmental step together.

THE RIGHT TIME TO GO PRO-ENVIRONMENTAL

People the world over are coming to the same conclusion that we need to adopt a more pro-environmental mindset. This global trend is not just the result of NGO pressure and government legislation but more and more due to the maturing of industry and consumer attitudes plus the desire to be on the right side of history. This is the right time to go-pro.

NOW YOU HAVE THE CHOICE

In the resin, coatings and synthetic lubricant market sectors the raw materials we use and their environmental impact are all coming under heavy scrutiny. Perstorp's new generation of pro-environment polyols meet these challenges by providing a renewable drop-in solution with a performance equal to the best fossil based alternatives. Now you have a choice, so choose wisely!

Leading the world in Pro-Environment Polyols

As a world leader in innovative Pro-Environment Polyol science, we have a broad and unique portfolio of renewable products, and the expertise to help you to go-pro today. With outstanding innovation and a long-term commitment, we commitment we are helping our customers to reduce their environmental impact progressively. We want our pro-environment products and support to make a real difference all the way through the value chains and to benefit both customers, consumers, the society as well as our planet.

Today our holistic approach focuses on four key areas:

1. Sourcing of future raw materials from waste and renewables
2. Inventing new pro-environmental solutions such as Evyron™, Neeture™ and Voxtar™
3. Closing the loops and reducing product end-of-life environmental impact
4. To support companies active in sustainable development

We believe these four focus areas are important steps in being Finite Material Neutral. They will not only contribute to significantly lowering environmental impact, but also give our customers a competitive edge going forward in meeting the global need for greater sustainability and lower emissions.

Every step we take

Maybe it's because of our Scandinavian roots that the natural world inspires us and makes us appreciate just how wonderful it is. Our drive towards renewable, low carbon footprint solutions is part of our future, but it also takes us back to our roots. Our passion continues to burn brightly for pro-environmental science as we look to replace unsustainable solutions.

We intend to keep walking the pro-environmental walk for the next 135 years. Why not join us?



Environmental commitment

- 80% of our R&D focuses on finding new sustainable solutions
- 2010 – Voxtar™ - the world's first renewable Penta
- 2017 – Beautiful waterborne alkyds initiative – supporting the global shift to waterborne alkyds
- 2017 – Waste used as raw material
- 2017 – First to offer Penta, TMP & Neo in renewable grades
- 2017 – World's first ISCC certified polyols
- 2018 – Renewable electricity in all Swedish production plants
- Ambition to be Finite Material Neutral 2030



Moving forward it will become absolutely essential for us to work with people sharing the same sustainability ambition, beyond regulations, and walking more than they talk."

Jean-Claude Pierre Group Chief Executive, Scott Bader



Meet Eviron™, Neeture™ and Voxtar™

Our Pro-Environment Polyols

Perstorp is proud to announce that all three essential polyols – Penta, TMP & Neo - now come in renewable options. With these products, we are supporting the circular economy and the shift towards raw material derived from renewables and waste sources. For example, instead of using fossil natural gas as a raw material for Eviron™ and Neeture™ we are using locally produced biogas from waste.

In 2010 we were the first company in the world to launch a renewable Penta called Voxtar™. Today it comes in 40% and 100% renewable grades, and can reduce the carbon footprint by up to 80%. The launch of two new essential polyols, Eviron™ (partly renewable TMP) and Neeture™ (partly renewable Neo), provides customers with easy drop-in solutions with the same high performance and quality as our standard Neo and TMP products. These products are based on a mass balance concept.

Eviron™ and Neeture™ come in partly renewable grades, 20-50%, and reduce the carbon footprint by up to 60%. With our new pro-environment products we are offering our customers an opportunity to go-pro and to gain a competitive edge.

All our pro-environment polyols – Eviron™, Neeture™, Voxtar™ – are certified by third-party ISCC and come with a Proof of Sustainability which confirms your contribution to sustainable sourcing according to a mass balance system. We are committed

to our Pro-Environment Polyols and offer secure supply and preferred delivery for our pro-environmental partners at all times.



All three base polyols now come with renewable options

- Voxtar™ comes in 40%-100% renewable grades, reducing the carbon footprint with up to 80%
- Eviron™ and Neeture™ come in two partly renewable grades, 20-50%, reducing the carbon footprint by up to 60%
- Based on a mass balance concept, supporting sustainable sourcing
- Designed to reduce carbon footprint cradle to grave
- Reliable ISCC certified products
- Drop-in products, with no compromise on quality and performance
- Secure supply and preferred delivery for pro-environmental partners at all times

Renewables designed to nurture nature



Eviron™

Eviron™ evokes both environment and everyone. The name is a fusion of what matters most to our survival; it is about how people and the environment will interact in the future. We want Eviron™ (part-renewable TMP) to be a pro-environment polyol that benefits everyone.

Neeture™

Having our roots deep in Scandinavia means we are emotionally close to nature, naturally. Keeping nature healthy is part of our inner soul and brings out our desire to nurture our forests, lakes and the air we breathe. Our new Neeture™ (part renewable NPG) is part of our pro-environmental drive to nurture nature.

Voxtar™

Voxtar™ is the "Rock Star" of renewables. It first hit the charts in 2010 as the world's first renewable Penta. This pro-environment polyol has become a trendsetter and true legend being able to shrink carbon footprints by up to 80%. Its colorful performance on stage makes it a hit all over the world. Just plug it into your existing process, sit back and listen to the music!

Trust & reliability

Help us make the switch to renewables

Mass balance is an ingenious concept that allows our customers and us to go-pro in easy steps. We believe mass balance is a necessary strategy for industry to switch from fossil to renewable and recycled resources. We have to take it stepwise as building wasteful, parallel systems would neither benefit the environment nor the economy. Mass balance is about mixing fossil and renewable but keeping track of their quantities and allocating them to specific products. The actual carbon molecules in the product may not be renewable, but through a third-party certificate, the renewable content is verified. This helps us all support sustainable sourcing of renewable raw material and see the actual savings in CO2 emissions. Eventually, all the raw materials will be from renewable sources and every molecule you receive in the future will be from a sustainable source. That is our pro-environmental goal, and you can help us to achieve it!

All our Pro-Environment Polyols come with an ISCC (International Sustainability & Carbon Certification) certificate to confirm the biomass used is from a sustainable source. The certificate also secures that the Green House Gas (GHG) emission calculations are done correctly with proof of every input used. Even our mass balance system is certified.



ISCC certified

Perstorp's Pro-Environment Polyols are all ISCC certified which among other things means that we have traceability of the bio-based raw material back to its country of origin. Anna Berggren, Business Development Manager and Market Segment Manager at Perstorp highlights: "The bio-based material in our products is sustainably sourced and supports the requirements for a more livable future. I am proud to say that Perstorp is one of the first chemical companies to achieve the ISCC certification."



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Anna Berggren Business Development Manager & Market Segment Manager

We'll help you to go-pro!

Partner for your future needs

Whatever your segment or application we'll help you to go pro-environmental. Our unique approach is based on being a strategic, innovation and supply partner with the aim of helping you to go-pro at your pace and to maximize your market success.

STRATEGIC PARTNER – applying our knowledge and deep insight into value chains and trends to develop new opportunities for you, promoting pro-environmental behavior through your value chain and helping to lower your total costs wherever we can.

INNOVATION PARTNER – giving you the competitive edge and speed to market in your developments, science and technical support to help you produce sustainable products, and an innovative pro-environment portfolio to expand your market opportunities.

SUPPLY PARTNER – prioritized supply and preferred delivery to pro-environment partners at all times, and providing a robust supply chain and logistics to support you.

Lower total cost for you & the planet

Our commitment to helping you to lower costs in your business aims at benefitting you and the planet. Lowering costs through using resources more effectively and efficiently is a key business goal, but it also means, if we end up using fewer resources and having less waste, that we automatically reduce our carbon footprint. By combining our resources, we can achieve significant synergies in resource allocation and cost management. After all two heads are better than one!

We offer a range of services that can help you if you want to go-pro, which include Sustainability Support to reduce environmental impact, Insights & Applications to use our pro-environmental knowledge and a dedicated partnership to help you achieve your sustainability goals. Our broad one-stop portfolio of products will help you reduce logistics costs and with our technical support, you can shorten time to market as well as reducing your development costs. Discover how we can combine our resources to achieve a great result for what we call the "twin bottom line" – profit and environmental impact.



Logistics & Secure Supply

Achieve shorter lead times and security of supply



Innovation & Development

Get a cutting-edge portfolio, and co-operate with us to optimize R&D results



Insights & Applications

Use our application knowledge and insights to stay ahead



Sustainability Support

Reduce your environmental impact and that of the entire value chain.

Pure innovation. Pure advantage.

It's a win for you and a win for the planet

Perstorp is responding to the global trends and market demands for greater sustainability with pro-environment products that offer our customers an improved environmental profile with the same quality and performance. We are doing this for example by securing sustainable bio-based sources for raw materials as well as using renewable energy in our processes.

For customers who want to take the pro-environment path, we promise you three pure advantages and one for the planet.

1. Outstanding innovation to make you stand out – for innovative Resins and Synthetic Lubricants.
2. Pure advantages today & tomorrow – long-term pro-environmental priority
3. Commitment to your pro-environmental success – reliable and trusted partner
4. And the planet gets to breathe easier – recycled resources & more renewable sourcing

You can make a difference step-by-step

We are committed to your success and supporting you all the way as you move over to Pro-Environment Polyols. Together we can make a difference by developing renewable products that lower carbon emissions, reduce end-of-life environmental impact, and create more sustainable end products. Together we can influence the entire value chain with our pro-environment products and behaviors so that we satisfy the growing global desire for greater sustainability. All you need to do is take the first step with us, and we'll support you every step of the way.

Sales of our Pro-Environment Polyols started on January 1st, 2018.



Anna Berggren
Business Development Manager
& Market Segment Manager



We've only got one planet,
and now you have the
choice to go-pro.

One molecule can change everything

Perstorp believes in improving everyday life – making it safer, more convenient, more fun and more environmentally sound for millions of people all over the world. As a trusted world industrial leader, our innovations provide essential properties for products used every day at home and work. You'll find us everywhere from your car and mobile phone to towering wind turbines and the local dairy farm. Simply put, we work to make good products even better.

Perstorp's focused innovation builds on more than 135 years of experience, representing a complete chain of solutions in organic chemistry, process technology and application development. Manufacturing is based in Asia, Europe and North America, with sales and support in all major markets. The Perstorp Group is controlled by funds managed and advised by the European private equity company PAI partners.

For more information, visit perstorp.com