

**KRATON™**



**Inspired by Nature.  
Innovated by Kraton.**



Sustainable Solutions.  
Endless Innovation.™

[KRATON.COM](http://KRATON.COM)

# Responsible Procurement

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Kraton works with over 6,000 suppliers globally. Our responsible procurement program enables us to improve sustainability performance; manage supply chain risks; and ensures that we conduct business with reliable suppliers in alignment with environmental, social and ethical standards. Our Supplier Code of Conduct, Conflict Minerals Policy, Slavery and Human Trafficking statement and Human Rights Policy guide suppliers in our expectations. This includes high integrity and ethical behavior regarding human rights, material supply sourcing and fair competition.

We use the EcoVadis platform to engage suppliers on sustainability and assess performance on four themes: Environment, Labor & Human Rights, Ethics and Responsible Procurement. Our commitment to this effort resulted in the EcoVadis Silver Rating for more than seven consecutive years.

# Environmental Stewardship

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Kraton is committed to continuously improving the environmental stewardship of our operations. We constantly optimize our manufacturing processes to reduce waste, emissions and energy consumption. Our ambition is to reduce greenhouse gas emission by 25 percent by 2030. Efforts to upgrade our facilities and develop more efficient procedures ensure that we further reduce water consumption, fossil fuel usage, greenhouse gas emissions, leaks and spills, process residual and solvent generation.

Kraton is proud to participate in the American Chemistry Council Responsible Care™ initiative. Most of our US sites are certified under the Responsible Care 14001 and corporate offices to Responsible Care Management System (RCMS).

# Global Industry Leader

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Kraton develops, manufactures and markets biobased chemicals and specialty polymers that deliver exceptional value and enhance the lives of people all over the world. As a leading global producer of styrenic block copolymers (SBC) and pine chemicals, we manufacture high-performance, sustainable solutions that differentiate your products and meet multiple market needs. Our global footprint, extensive expertise and integrated portfolio of high-quality products enable you to push the boundaries of performance to power the future of innovation.

# Our Commitment

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Sustainability creates value for Kraton and our customers by providing the potential for growth, improved productivity and risk reduction. Our ambition is to enable the bioeconomy and play a role in advancing the circular economy. Nearly all Kraton innovations strive to deliver combinations of enhanced safety, quality, durability, recyclability and/or reusability. We continuously explore areas where we can enable green technology solutions in new products.

We conduct life cycle assessments (LCA) on key product lines to improve understanding of our products' environmental impacts, such as greenhouse gas emissions, and encourage customer collaboration throughout the value chain. All of these advantages provide high-performance value while helping you reduce environmental impact in your supply chains, manufacturing processes and end-use product lifecycle.

# Enabling the Bioeconomy

Kraton is the world's largest producer of pine chemicals and specialty resins based on crude tall oil (CTO) and crude sulphate turpentine (CST). As a valuable byproduct of the Kraft pulp industry, CTO, CST and its primary bio-refinery products are used as a renewable feedstock base for high-quality product and sustainability performance. As a biobased, natural material from responsibly-managed forests that does not require land-use change, CTO has a substantially lower carbon footprint compared to other known vegetable or fossil-based alternatives. Other advantages include:

- Steady supply all year round
- Not edible and does not compete for land with food crops
- Not genetically modified (non-GMO)

Approximately half of our business consists of products derived from renewable resources. Today, more than 100 of those products are certified in the Biobased Content Certification Scheme, which validates a product's biomass content based on the European standard EN 16785-1.

Our biobased chemistry portfolio delivers sustainable value, helping numerous industries replace non-renewable sources with environmentally-friendly alternatives offering unmatched performance. With more than 90 years of experience making pine-based raw materials and the largest manufacturing capacity worldwide, we enable the bioeconomy and improve the quality of everyday products through sustainable chemistry.

# Driving the Circular Economy

Kraton contributes to the circular economy by enabling a holistic approach to plastic product life cycle. Our polymers allow for end product design recyclability, increasing recycle content without compromising plastic performance and aesthetics needs. Our portfolio includes solutions for compatibilization and modification of different materials including virgin and biobased resins, bioplastics (PLA) and impure post-consumer recycled waste streams.

In addition to significant product performance improvements, our 100 percent recyclable polymers can increase post-consumer resin (PCR) content, recyclable end product design, and repeated reuse of recycled plastics across a wide range of applications. These capabilities enable the plastic value chain's ability to achieve sustainability goals for recycling and reusing plastic products. In some cases, our polymers' processing conditions can help decrease energy consumption during manufacturing, reducing carbon dioxide footprint.



CO<sub>2</sub>



# Leading Innovation Performance

Kraton provides innovations that allow chemical formulators and consumer brands to touch lives in the most imaginative ways. Whether the market demands a longer-lasting asphalt or more sustainable paint, Kraton enables the development of groundbreaking innovations that change the way we live.

## ADHESIVES

The Kraton REvolution™ rosin ester technology enables the development of sustainable solutions with light color and/or oxidative stability in their formulation. Our biobased tackifiers offer increased energy efficiency and adhesion on various substrates, meeting new environmentally-friendly standards. They are used in a wide range of applications including packaging, tapes, labels and flooring adhesives.

## AUTOMOTIVE

From soft skin dashboards to bumpers, Kraton offers differentiated quality with environmentally-sustainable solutions for slush and injection molding. Our products can enable vehicle weight saving, system level cost savings, light-weighting and safer airbag deployment as well as improved aging, fogging, odor and volatile organic compound (VOC) performance.

## BIOENERGY

Pitch produced from our bio-refining process enables formulators to extract high-value components for key applications. Pitch is also offered to suppliers as a raw material to produce bioenergy in their pulp mills, so they don't have to seek alternative energy sources. In return, Kraton ensures our refinery stream is fully optimized as we continue to create even higher value from the resource.

## COATINGS

SYLFAT™ Tall Oil Fatty Acid (TOFA) is used in different binder systems and surfactants to achieve high-performance coating systems. TOFA delivers high hardness, gloss, color stability and fast drying properties for excellent product consistency and long-lasting aesthetics. With biobased content up to 100 percent, the renewable material significantly reduces the carbon footprint of every paint job.

## MEDICAL

Kraton polymers are designed to meet healthcare demands for safety, purity and reliability. Our products are produced without intentionally-added phthalate- and BPA-based chemicals, which avoids contamination issues caused by plasticizers. This makes them a sustainable alternative to polyvinyl chloride (PVC), which can release hazardous chemicals and be difficult to recycle when blended with polymers. They also offer excellent ultraviolet (UV), ozone and chemical resistance; poses no known risk to health or environment during processing; and are recyclable.

## PAVING

Highly Modified Asphalt (HiMA), an SBS polymer technology, are used in polymer modified bitumen to increase the lifetime of pavements. The improved durability helps reduce carbon dioxide emissions by decreasing maintenance while allowing for lifecycle savings. Asphalt mixes with binders modified by our polymers and chemicals are also recyclable, minimizing environmental impact.

## PLASTICS RECYCLING

Kraton products offer versatile compatibilization and performance modification across multiple resins. These capabilities enable fully recyclable and reusable end product design as well as increased post-consumer resin (PCR) content - leading to high quality products, even after repeated recycling. Our fully recyclable polymers empower brand owners, converters and formulators to extract value in product performance, branding and circular economy. In addition to cost efficiencies, Kraton polymers deliver superior performance including impact resistance, durability and aesthetics while decreasing virgin material use.

## ROAD MARKINGS

Kraton products enable thermoplastic road markings with long lasting, high visibility performance. SYLVACOTE™ Rosin Ester enables high retroreflectivity for years, minimizing maintenance costs. For formulators wanting hazard label-free materials we offer products that don't require a GHS hazard pictogram.

## TIRES

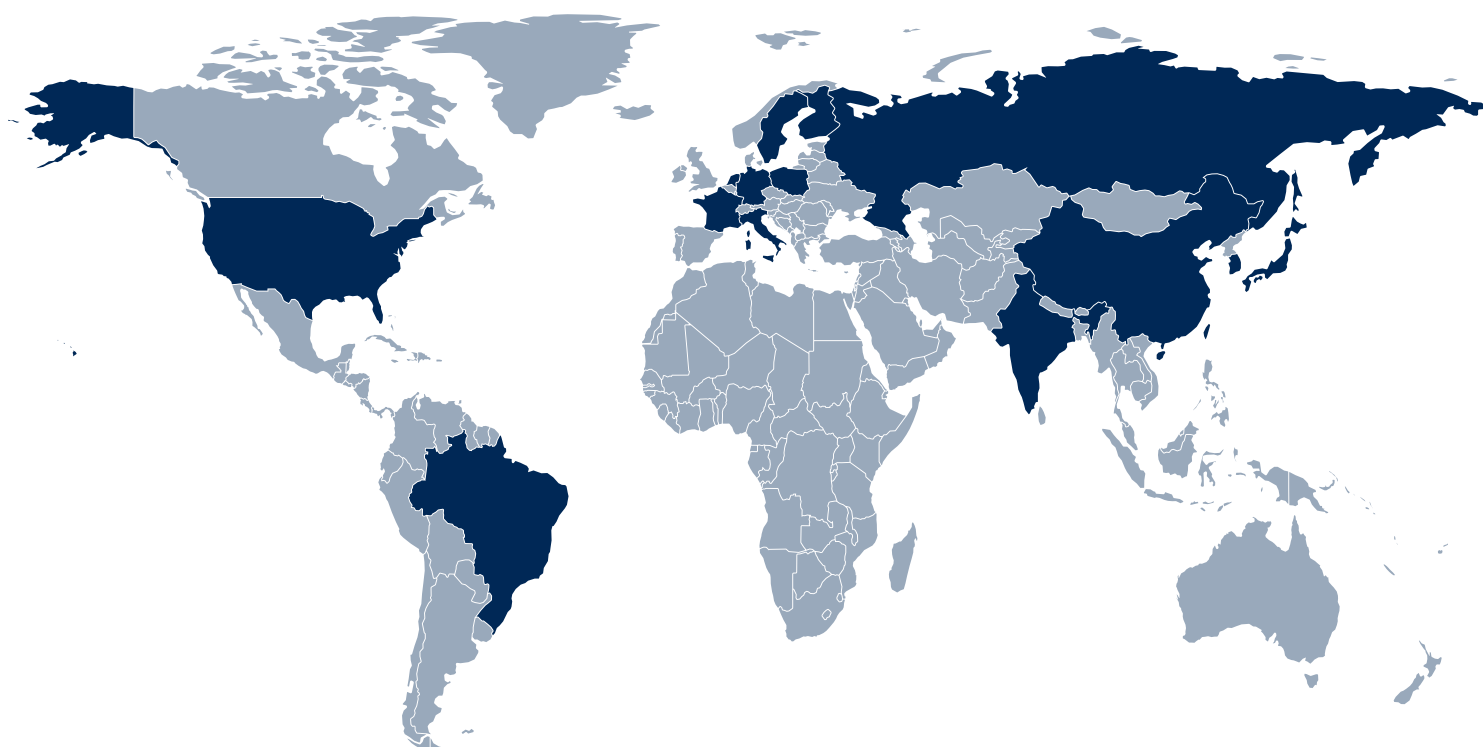
Our natural, synthetic and hybrid products enable tires that meet demands for safety, fuel economy and sustainability. SYLVATRAXX™ Tread Enhancement Additive (TEA™) optimizes the balance between wet grip and low rolling resistance - a key enabler for improved fuel efficiency. They can also enhance wear characteristics, enhancing tire life. Most of our TEA are made up of bio-renewable materials, which meet consumer and tire manufacturers' demands for sustainable solutions.

## About Kraton Corporation

Kraton Corporation (NYSE: KRA) is a leading global producer of styrenic block copolymers, specialty polymers and high-value performance products derived from pine wood pulping co-products. Kraton's polymers are used in a wide range of applications, including adhesives, coatings, consumer and personal care products, sealants and lubricants, medical, packaging, automotive, paving and roofing applications. As the largest global provider in the pine chemicals industry, the company's pine-based specialty products are sold into adhesive, road and construction and tire markets, and it produces and sells a broad range of performance chemicals into markets that include fuel additives, oilfield chemicals, coatings, metalworking fluids and lubricants, inks and mining. Kraton offers its products to a diverse customer base in numerous countries worldwide.

## Global Footprint

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# KRATON™

**Kraton Corporation (NYSE:KRA)**

For more information, visit our website at [www.kraton.com](http://www.kraton.com) or email [info@kraton.com](mailto:info@kraton.com)

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