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RiKarbon, LLC Earns USDA Certified Biobased Product Label

Newark, DE. August 20, 2026 — RiKarbon®, INC announced today that it has earned the U.S. Department of Agriculture (USDA) Certified Biobased Product Label for UpSycal® 2cSt Base Oil.

UpSycal® 2cSt base oil is a 100% bio-based, branched hydrocarbon oil derived entirely from upcycled agricultural waste and other readily available biomaterials. The UpSycal® family of products provides renewable alternatives to petroleum-derived polyalpha-olefin fluids and are manufactured according to Green Chemistry principles to ensure high purity, freedom from petroleum-borne impurities, and potential biodegradability.

The UpSycal® 2cSt Base Oil can now display a unique USDA label that highlights its percentage of biobased content. Third-party verification for a product's biobased content is administered through the USDA BioPreferred® Program, which strives to increase the development, purchase, and use of biobased products.

Biobased products empower communities in rural America, create and expand markets, and represent incredible technological advances and innovations.

The USDA Certified Biobased Product Label displays a product's biobased content, which is the portion of a product that comes from a renewable source, such as plant, animal, marine, or forestry feedstocks. Utilizing renewable biobased materials displaces the need for non-renewable petroleum-based chemicals. Biobased products are cost-comparative, readily available, and perform as well as or better than their conventional counterparts.

Dr. Basudeb Saha, President, CEO and Founder of RiKarbon® INC adds, “The UpSycal® branched hydrocarbon technology provides a renewable alternative to petroleum-derived polyalpha-olefin fluids, enabling the formulation of stable, environmentally responsible products that deliver the renewability, safety, and performance.

The Upsycal® Technology can serve as drop-in replacements for fossil-based oils in server immersion cooling, heat transfer fluids, EV fluids, lubricants and functional fluids, and personal care formulations. UpSycal® 2cSt base oil fluid has high thermal stability, environmental safety, low toxicity, potential biodegradability, and is free of per- and polyfluoroalkyl substances (PFAS). UpSycal® 2cSt base oil is compatible with Open Compute Project Immersion cooling standards, making it suitable for use by modern server-farm and data-center operators”.

"We applaud RiKarbon, Inc. for earning the USDA Certified Biobased Product Label," said Vernell Thompson, USDA BioPreferred Program. "The label is intended to help spur economic development, create

new jobs, and provide new markets for farm commodities. But the label also makes it easier for consumers and federal buyers to locate biobased products and consider planet-friendlier options during purchase decisions. By having their products become USDA Certified Biobased, RiKarbon, Inc. joins an expanding list of businesses combatting inaccurate marketing claims and the practice of greenwashing, while also contributing to a thriving bioeconomy that decreases our reliance on petroleum."

In the latest Economic Impact Report released by USDA, the biobased products industry supported 4.6 million American jobs; contributed \$470 billion to the U.S. economy and generated 2.79 jobs in other sectors of the economy for every biobased job. Biobased products also have a substantial environmental impact, displacing about 9.4 million barrels of oil a year, with the potential to reduce greenhouse gas emissions by an estimated 12.7 million metric tons of CO2 equivalents per year.

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About RiKarbon®, INC.:

RiKarbon® INC is a U.S. based technology development *company* focused on manufacturing renewable and green products. Its proprietary technologies produce products that can replace petroleum-based resources in various applications, from personal care products to packaging materials. The company has commercialized multiple renewable chemistry platforms in partnerships with various companies. RiKarbon® offers 100% bio-based PAO-type base oils that provide drop-in performance for industrial, automotive, and personal-care formulators seeking lower carbon intensity without sacrificing quality. With validated scale up ready processes, toll-manufacturing capability, and active customer programs, RiKarbon® provides fast commercialization pathways, cost-competitive solutions, and custom formulation support for partners across lubricants, packaging, building materials, and consumer goods. Please contact: info@rikarbon.com

About the USDA BioPreferred Program

With the goal of increasing the development, purchase, and use of biobased products, USDA's BioPreferred® Program was first introduced in the 2002 Farm Bill and reauthorized in 2018. It requires federal agencies and contractors to give purchasing preference to biobased products. The USDA BioPreferred Program also includes a voluntary certification and labeling initiative for biobased products. This is referred to as the USDA Certified Biobased Product Label.

More than 1,800 companies across the U.S. and in 47 countries participate in the Program. From farm and field all the way through the manufacturing process, the expanding market for biobased products creates jobs, supports rural economic growth in America, and has a positive impact on our planet. Have questions? Please contact: Vernell Thompson, USDA BioPreferred Program at Vernell.Thompson@usda.gov.