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SYLVASOLV™ NEW 100% BIO-BASED PLASTICIZER FOR ADHESIVES AND ITS POTENTIAL APPLICATIONS

The industrial applications of adhesives have seen remarkable advancements in recent years, driven by a growing demand for sustainable, environmentally responsible solutions. In line with this trend, Kraton presents a pioneering product that can help our customers decrease their carbon footprints: SYLVASOLV™ 100% biobased plasticizers. This presentation will delve into the development, properties, and performance benefits in several (potential) industrial adhesive applications of SYLVASOLV plasticizers.

KEY HIGHLIGHTS:

1 - Sustainability and Environmental Impact: SYLVASOLV plasticizers are derived from Crude Tall Oil, a feedstock which is a side product of the pulp and paper manufacturing process. It is sourced from responsibly managed pine forests and does not require land use change, making SYLVASOLV plasticizers a sustainable alternative to petroleum-derived materials. The biogenic carbon content can potentially help adhesive formulators to reduce their carbon footprint for a greener and more sustainable adhesive industry.

2 - Reactive structural adhesive: SYLVASOLV 3000 can serve as an effective non-reactive plasticizer, enhancing the flexibility, durability, and adhesive properties of two-component reactive structural adhesives. Our rigorous testing shows that this product sustains the adhesive's performance while providing an environmentally responsible solution.

3 - Aerosol adhesive: Aerosol adhesives play a crucial role in various industries, including automotive, construction, and packaging, due to their ease of application. However, the choice of solvent greatly influences the adhesive's performance and environmental impact. Studies are underway in which SYLVASOLV plasticizers, together with a co-solvent, are evaluated through a series of tests including viscosity, drying time and bond strength.