

HALLSTAR COMPLETES PURCHASE OF LANXESS POLYMER ADDITIVES BUSINESS IN GREENSBORO, NC

The newly acquired Uniplex™ family of plasticizers is based on a wide range of chemistries, including benzoates, citrates, adipates, sebacates, flame retardants and specialty phthalates.

Benzoates

- Uniplex™ 512 is a low melt, waxy-solid plasticizer. It has low volatility, compatibility in acrylic systems, and excellent UV stability. Additionally, it's an effective clean-out product for hot melt, coating, and laminating equipment.
- Uniplex™ 354 is a non-phthalate plasticizer and possesses high solvating characteristics for adhesives, caulks, sealants, and PVC plastisols.
- Uniplex™ 260 is a solid polyol plasticizer, processing aid and modifier for a wide range of polymers and a heat-activated plasticizer for HMA (hot melt adhesives) made from PVA, polyester, and acrylic resins. Uniplex™ 260 usage level: 20-40 parts per 100 polymer.
- Uniplex™ 552 is a solid polymer modifier used in heat activated adhesives. FDA 21 CFR 175.105. It is recommended for high heat activation temperature products and structural 2K acrylic systems.
- Uniplex™ 280 CG is a solid sucrose benzoate used as a plasticizer or solvent that is stable, clear, odorless and non-crystalline, with a softening range of ~93°C. It's an outstanding modifier for clear lacquers and provides exceptional clarity with high gloss and UV resistance. 280 CG provides high film hardness combined with good flexibility and excellent resistance to water and alcohol.

Citrates

These products' low odor and excellent color stability make them excellent general-purpose plasticizers and have been widely formulated as phthalate replacements.

- Uniplex™ 84 – Acetylated TriButyl Citrate (ATBC)
- Uniplex™ 83 – TriButyl Citrate (TBC)
- Uniplex™ 80 – TriEthyl Citrate (TEC) – 100% renewable

Flame retardants

- Liquid flame retardant Uniplex™ FRP-45 imparts efficient flame retardancy due to its high bromine content, along with modest plasticization. It has outstanding thermostability, good hydrolytic stability, and low volatility, and is suitable for adhesives, coatings, films and coated fabrics.
- Powdered flame retardant Uniplex™ FRP-64 has an even higher percentage of bromine content and is compatible with nylons, as well as PET/PBT.

Phthalates

- Uniplex™ 155 (DIBP) is a liquid plasticizer compatible with many polymer and resin systems. At ambient temperatures, the product is a colorless, oily liquid. It is used as an additive in adhesives, paints, inks and other industrial products.
- Uniplex™ DIOP is a liquid plasticizer compatible with a range of adhesives and PVC resin.
- Uniplex™ 250 (DCHP) is a powder-forming plasticizer used in heat activated adhesives, coatings, labels and in printing ink formulations. It is also often used as a retarding agent for peroxides.



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