

PRODUCTS FOR ADHESIVES AND SEALANTS

The HallStar Company is a leading supplier of modifiers and additives for the polymer and elastomer industries. While many of our products have long been associated with rubber applications or more recently with PVC, we also offer a number of products that are widely used in water base, hot melt and pressure sensitive adhesives and a variety of sealant applications.

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| PARAPLEX® G-25 | The highest molecular weight liquid polymeric plasticizer available. Outstanding extraction resistance, volatility and permanence performance. F.D.A. regulated USES: Extended use elastomeric sealants. |
| PARAPLEX G-54 | The industry standard, polymeric plasticizer with excellent balance of performance, handling and cost. F.D.A. regulated. USES: PVC and elastomeric sealants. |
| PARAPLEX G-57 | Medium molecular weight polymeric plasticizer with good low temperature, extraction and permanence properties. USES: PVC and elastomeric sealants. |
| PLASTHALL® BSA | Sulfonamide plasticizer providing high polarity compatibility and hydrogen bonding for excellent specific adhesion. USES: Water based adhesives for non-porous surfaces and other difficult substrates. |
| PLASTHALL P-622 | Medium molecular weight, untermated polymeric plasticizer with high AV. Readily dispersed in aqueous adhesive systems. F.D.A. regulated. USES: Plasticizer for remoistenable adhesives and envelope gums. |
| PLASTHALL P-670
PLASTHALL P-675 | Low molecular weight adipate polymerics with excellent viscosity properties, low temperature performance and permanence. F.D.A. regulated. USES: Paintable automotive sealants. |
| PLASTHALL P-900 | High AV plasticizer improves adhesion on difficult substrates and gives quick dispersion and clean up properties. F.D.A. regulated. USES: Envelope window adhesives; paper and packaging adhesives. |

RX - 13290

High performance polymeric plasticizer with excellent fusion, migration and specific adhesion properties. F.D.A. regulated.

USES: Paintable and wet on wet automotive sealants; low bake sealants.

URETHHALL® POLYOLS

A full line of unique, liquid polyester polyols. **USES: Hot melt urethane adhesives, sealants and binders; 100% solids systems.**

MAGLITE® BRAND MAGNESIUM OXIDE

A broad line of high purity, high activity acid acceptors with extremely fine particle size for fast dispersion and outstanding suspension characteristics. F.D.A. regulated. **USES: Neoprene rubber adhesives, contact cements and other chlorinated systems.**

STAFLEX® MALEATE AND FUMARATE ESTERS

A wide selection of general purpose and specialty esters and co-monomers. F.D.A. regulated. **USES: Co-polymerization of adhesive polymers, polymer functionality and internal plasticization.**

RESALE PRODUCTS FOR ADHESIVES AND SEALANTS

Adhesion Promoters	Melamine resins for metal adhesion
Cumar Resins	Tackifiers for rubber based compounds and mastics
Filler Materials	Calcium Carbonate, Talc, Mica
Glycols	Ethylene and Propylene for viscosity and freeze point control
Kaolin Clay	Soft kaolin clays for viscosity modification and cost reduction
Process Oils	Plasticizer for mastics and oil based caulks
Rubber Chemicals	Antioxidants, Antiozonants, Accelerators
Triacetin	Effective plasticizer for emulsion adhesives. Very low taste properties and excellent F.D.A. coverage
Wax Products	Micro-Crystalline, Paraffin and Polyethylene waxes
Zinc Oxide	Zinc Corporation of America, Kadox Brand