

# Product Data Sheet

## ADHESION RESIN

“Adhesion Resin” is a modifier resin for use in lacquers, inks, adhesives and UV curable coatings. “Adhesion Resin” enhances gloss, DOI (Distinctness of Image), adhesion to numerous substrates, compatibility and overall coating durability.

“Adhesion Resin” has excellent compatibility with most commercial polymeric binders, pigments and plasticizers. Solutions of “Adhesion Resin” have a low viscosity, and offer the advantage of formulating high-solids lacquers. “Adhesion Resin” is soluble in ketones, esters, and a variety of acrylic monomers and diluents for UV applications. Its excellent solubility in glycol ethers makes the product useful in water-based formulations “Adhesion Resin” is insoluble in aliphatics, affording resistance to oil, grease and gasoline.

The recommended level of usage in inks, lacquers and coatings is 5-15% of the total formulation. In adhesives formulations, it can be used at levels of up to 30%. In adhesives, “Adhesion Resin” improves bonding between substrates such as cellophane and aluminum foils, to themselves, and to paper. Bond strengths are maintained at temperatures of up to 60°C.

### ❖ TYPICAL PROPERTIES\*

<b>Appearance</b>	<b>: Clear solid Resin</b>
<b>Gardner Color</b>	<b>: 2 maximum</b>
<b>Clarity</b>	<b>: Clear</b>
<b>Melting Range</b>	<b>: 70 ± 5 °C minimum</b>
<b>Acid value, mg KOH / gram</b>	<b>: 3 ± 1 Max.</b>
<b>Viscosity ( B 4 Cup at 30°C )</b>	<b>: 20 ± 3 sec</b>

### ❖ ADVANTAGES

- **Gloss improvement**
- **DOI improvement**
- **Better flow property**
- **Critical Adhesion**
- **Low viscosity help to make high solid coating**
- **Pigments & dyes dispersion**
- **Very good bond strength**
- **Wet look**

### ❖ APPLICATIONS AND USAGE

- **Liquid printing Ink**
- **Paints & coating**
- **Aerosol lacquers & paints**
- **Air Dry lacquers**
- **Nail coating**
- **General Industrial coating**
- **Intumescent coatings**
- **Label coatings**
- **Fluorescent pigment, dye and lacquer preparations**



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- **Flexographic inks**
- **Hot dipping lacquers**
- **Gel dipping lacquers**
- **Pigment pastes & concentrates**
- **Pressure-sensitive adhesives**

## ❖ COMPATIBILITY CHART

PVC	15	Nitrocellulose	100	Acrylics	25	Phenolics	50
Polyvinylacetate	50	Ethylcellulose	75	Casein	25	Alkyd	25
Polyvinylbutyral	50	Cellulose acetate	25	Shellac	25	Melamine	25
Polyvinylidenechloride	25	Cab	25	Polyester	20	Neoprene	50
Polystyrene	10	Cap	50	Epoxy	100	Polyamide	50

## ❖ PACKAGING (NET WEIGHT)

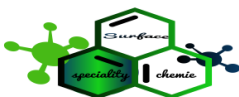
25 kg in steel pail or Bag

## ❖ STORAGE AND HANDLING

Store in a dry, cool area and avoid excessive heat. Shelf life of unopened containers is two year from date of manufacturing.

## ❖ CONTACT INFORMATION

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Marketed by us

The technical information and specifications contained in this data sheet are based on careful investigations and given to the best of our knowledge. Nevertheless circumstances under which the product is used in practice are subject to many variations.

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