

SR9050

HEMA phosphate in EOEOEA

Description

SR9050 is a monofunctional adhesion promoting monomer that provides exceptional adhesion to metal substrates, including aluminum, brass, tin-free steel and steel. SR9050 is designed for UV/EB cured inks and coatings. Due to its high acid value this product is not recommended for use in formulations containing tertiary amines. Usage levels of 3% to 7% by weight are recommended. Equivalent weight = 177.

Product performance

ABS/PC Adhesion
Flexibility
Metal Adhesion
PE/PET/PP/PMMA Adhesion
PVC/PS Adhesion

Suggested applications

Adhesives & sealants
Electronics
Flexographic inks
Inkjet inks
Metal coatings
Offset inks
Overprint varnishes
Plastic coatings
Screen inks
Wood coatings

Special features

Adhesion promoter

Shelf life

Store in the original, closed container in a dry, cool (<38°C) and well-ventilated place. Keep away from frost and heat (open flames, hot surfaces and sources of ignition) sources. Typical shelf-life is 6 months from delivery date for unopened containers. In cases where product sampling is required to carry out incoming quality tests, shelf-life should be maintained beyond opening, provided that it is tightly closed immediately after and that contamination with foreign bodies is avoided.

Inhibitors have been added to enhance storage stability. They require the presence of air in the container in order to improve their efficiency. Keep stabilizer levels constant to avoid explosive polymerization. An air space is required above the liquid in all containers; avoid storage under an oxygen-free atmosphere.

Storage

See SDS for Storage Considerations

Health and safety

See SDS for Health & Safety Considerations

Typical values

Appearance	Clear liquid
Color (Pt/Co or APHA)	<500
Density at 25°C (g/mL)	1.1353
Functionality	1
Refractive Index at 25°C	1.4513
Surface Tension at 20°C (mN/m)	31.9
Tg (°C), by DSC	-63
Viscosity at 25°C (mPa.s or cPs)	10

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