

TECHNICAL DATA SHEET

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.



SHELF LIFE

Store in the original, closed container in a dry, cool (<45°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

STORAGE

See SDS for Storage Considerations

HEALTH AND SAFETY

See SDS for Health & Safety Considerations

LIQUID PROPERTIES

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

CURED PROPERTIES

Tg (°C), by DSC	-63
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PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Adhesion promoter

SUGGESTED APPLICATIONS

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

Arkema Inc
502 Thomas Jones Way
Exton, PA 19341 – AMERICA
www.Sartomer.arkema.com

Headquarter: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80
www.Sartomer.arkema.com