

TECHNICAL DATA SHEET

SR9051

HEMA phosphate in TMP(3EO)TA

DESCRIPTION

SR9051 is a trifunctional version of SR9050. SR9051 offers the same adhesion promoting properties as SR9050; however, due to its trifunctionality, SR9051 provides faster cure response and greater hardness than SR9050. As with SR9050, SR9051 is not recommended for use in formulations containing tertiary amines. Usage levels of 3% to 7% by weight are recommended. Equivalent weight = 163.



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
Viscosity at 25°C (mPa.s or cPs)	250
Density at 25°C (g/mL)	1.1905
Refractive Index at 25°C	1.4696
Surface Tension at 20°C (mN/m)	35.2
Functionality	3
Color (Gd)	5

CURED PROPERTIES

Tg (°C), by DSC	41
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PRODUCT PERFORMANCE

Hardness
Wood Adhesion
Metal Adhesion
Scratch Resistance
Abrasion Resistance
Chemical Resistance
Weatherability
Moisture Resistance
Corrosion Resistance

SPECIAL FEATURE

Adhesion promoter

SUGGESTED APPLICATIONS

Adhesives & sealants
Flexographic inks
Inkjet inks
Metal coatings
Offset inks
Plastic coatings
Rubber manufacturing
Screen inks
Wood coatings

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