

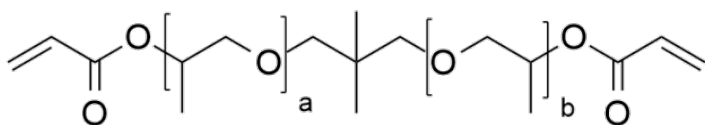
TECHNICAL DATA SHEET

SR9045

Acrylate ester

DESCRIPTION

SR9045 is an acrylate ester that demonstrates good pigment wetting, solvent resistance and flexibility in radiation curable ink and coating applications. SR9045 is particularly suited to plastic Substrates.



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) | 135 |
| Molecular Weight (g/mol) | 1140 |
| Refractive Index at 25°C | 1.449 |
| Surface Tension at 20°C (mN/m) | 34.1 |
| Functionality | 2 |
| Color (Pt/Co or APHA) | <150 |

CURED PROPERTIES

| | |
|-----------------|-----|
| Tg (°C), by DSC | -52 |
|-----------------|-----|

PRODUCT PERFORMANCE

Shrinkage
Flexibility
Pigment Wetting
Weatherability
Chemical Resistance
Wood Adhesion
Metal Adhesion
Stain Resistance
Moisture Resistance
Corrosion Resistance

SUGGESTED APPLICATIONS

Electronics
Flexographic inks
Inkjet inks
Offset inks
Screen inks

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