



TEXICRYL[®] 13-819

Styrene acrylic copolymer based emulsion vehicle

INTRODUCTION TEXICRYL 13-819 is a styrene acrylate based vehicle designed for high gloss heat resistant overprint varnishes.

TEXICRYL 13-819 is free from APEO based surfactants.

CHARACTERISTICS (Not to be taken as a specification)

Solids Content	%	50
Viscosity at 25°C (Brookfield RVT, Spindle 4, 100 rpm)	mPa s	300
Viscosity (DIN #4 flow cup at 20°C)	seconds	35
pH		8.5
Particle size	nm	80
Specific gravity at 25°C	g/cm ³	1.05
Acid value (calculated on solid polymer)	mg KOH/g	45
Minimum film formation temperature*	°C	0
Glass transition temperature	°C	93

* Determined by metal bar with temperature gradient.

APPLICATIONS

Due to the unique design of this vehicle, it is not necessary to add wetting agents and coalescing solvents to formulations containing TEXICRYL 13-819.

TEXICRYL 13-819 will be compatible with hard polymers normally used in the formulating of overprint varnishes, and can be blended into OPV's to partially replace the hard polymer and enhance the gloss level.

TEXICRYL 13-819 is compatible with a wide range of defoamers, heat resistant waxes and acrylic polymers commonly used in heat resistant overprint varnishes.

Some of the key benefits of TEXICRYL 13-819 are as follows:

- Higher gloss than conventional heat resistant polymers.
- Excellent heat resistance @ 160°C / 2 sec.dwell / 30 psi.
- Low odour.
- Excellent compatibility with other raw materials commonly used in OPV's
- Good resolubility.
- Enables substantial reduction of resin solutions in finished compounds.

PACKAGING

TEXICRYL 13-819 is supplied in drums, 1 tonne IBC's or bulk supplies are delivered by road tanker.

STORAGE

TEXICRYL 13-819 may be stored in the containers in which it is supplied.

HEALTH & SAFETY

Please see separate Material Safety Data Sheet.

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