

Luhydran[®] S 938 T

Product Description	Luhydran S 938 T is an APEO-free, crosslinkable emulsion for decorative wood composites or heat-curing coatings and two-pack polyurethane interior applications.
Key Features & Benefits	<ul style="list-style-type: none">- APEO free, ecological- OH functional- Good chemical resistance- Good water resistance- Good block resistance- Resistant to bleeding (hydrolysis)
Chemical Composition	Hydroxylic acrylic/methacrylic/styrene anionic emulsion

Properties

Typical Properties	Appearance		white emulsion
	Solids	% by wt	~ 45
	pH		~ 2.0
	Viscosity at 23°C	cps	~ 25
	Density	g/ml	1.06
	MFFT	°C	~ 60
	Freeze-thaw stable		No
	OH value (calculated on solids)	mg KOH/g	~ 100

These typical values should not be interpreted as specifications.

Applications

Luhydran S 938 T is an APEO-free, crosslinkable emulsion that can be crosslinked with aliphatic polyisocyanates like Basonat[®] HW 1000 for two-pack polyurethane finishes or amino resins for stoving systems, for example furniture laminates or other substrates.

Coatings formulated with Luhydran S 938 T are hard, lightfast, and provide good block and chemical resistance.

Luhydran S 938 T is recommended for applications such as:

- Interior wood coatings for furniture or millwork applications
- General purpose and commercial interior coating applications

Formulation Guidelines	Luhydran S 938 T is a shear-stable product, this allows pigments to be dispersed directly into it. Dispersing agents are recommended in most formulations.
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The method and sequence of manufacture can affect the properties of the coating (viscosity, foaming behavior, and gloss). Luhydran S 938 T has a film forming temperature of over 60°C; therefore, using a coalescing solvent is essential. The minimum film forming temperature can be reduced by adding typical co-solvents or amino resins.

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Luhydran S 938 T.

Storage

Please refer to the "Handling and Storage of polymer dispersions" brochure.

Important

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BASF Corporation

Dispersions and Resins

11501 Steele Creek Road

Charlotte, North Carolina 28273

Phone: (800) 251 – 0612

Email: CustCare-Charlotte@basf.com

Email: edtech_info@basf.com

www.basf.us/dpsolutions