

Product Name: HALLCOTE® HECA
HIGH EFFICIENCY COALESCING AGENT

HALLCOTE HECA has excellent compatibility in acrylic resins. **HECA** offers good resistance to water extraction and good low temperature properties. In latex paints used in architectural coatings, **HECA** lowers the Tg, which allows the softened polymer to flow and fuse together with the other polymer chains in the system, creating a continuous film. **HECA** has a high boiling point and thus stays in the film after the water has evaporated. Since this ester does not volatilize, it is considered a non-VOC diluent

Suggested Uses

Water based acrylic coatings both interior and exterior; water based acrylic adhesives and sealants, polyvinyl acetate coatings and adhesives.

Compatibility

- Acrylic
- Modified acrylics
- Polyvinyl acetate
- Polyurethane

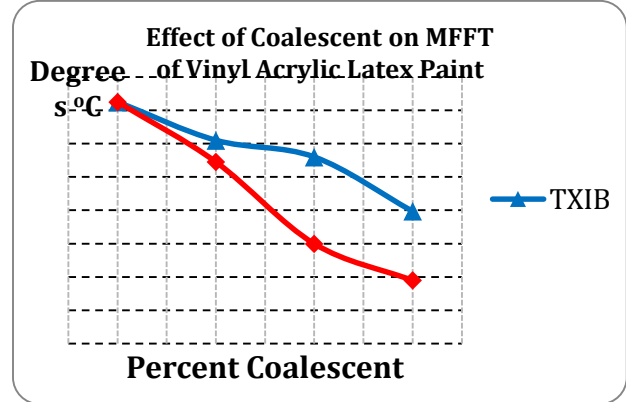
Typical Properties

Appearance	Clear
Color, APHA	100
Moisture, Wt. %	0.05
Specific Gravity, 25°C	0.980

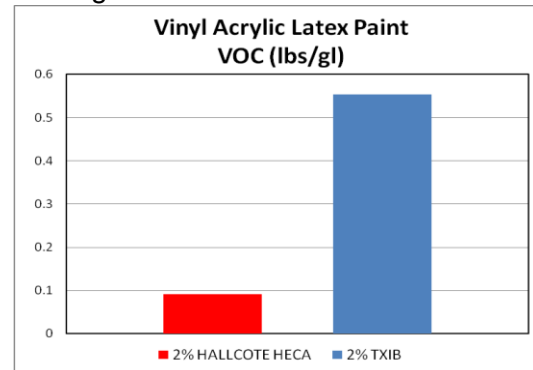
FEATURES AND BENEFITS

- 80% reduction in VOCs compared with TXIB: meets and exceeds international regulations for no VOCs
- Odorless
- Greater reduction in MFFT (min. film formation temperature) at half the level of TXIB
- Excellent scrub resistance and gloss to meet consumer requirements
- Available as a liquid or a dust free, flowing powder (18-20% active on TiO₂ carrier)

Performance Properties



Studies comparing **HALLCOTE HECA** and TXIB in a typical latex paint formulation show that HECA more efficiently reduces the MFFT at every loading.



Studies comparing **HALLCOTE HECA** and the commonly used coalescent, trimethylhydroxypentyl isobutyrate (TXIB) in latex, shows HECA reduces VOCs up to 80%.