

## SYNTRAN® 5402

Technical Information

SYNTRAN® 5402 is a clear solution polymer in water with dispersing and film forming properties. The polymer is a good companion product to improve pigment dispersion, avoid aggregates, and solve the wetting issues. It enhances certain characteristics of the film such as leveling, gloss, hardness, and removability.

### Performances

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<b>Function</b>	Pigment dispersant Co-emulsifier and solubiliser Viscosity modifier and stabilizer
<b>Applications</b>	Color cosmetic (e.g. mascaras, eyeliners, eye shadows, nail polish)
<b>Features and Benefits</b>	Improves pigment dispersion for better formulation stability Clear film former Enhances shine and gloss Controls removability Not preserved with any ingredient listed on Annex V of the EU 1223/2009

### Typical Chemical and Physical Properties (do not constitute specifications)

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<b>INCI name</b>	Ammonium Acrylates Copolymer
<b>Physical form</b>	Transparent solution
<b>Solids content</b>	25%
<b>pH value at 22°C</b>	7.8
<b>Brookfield viscosity</b>	200 mPa.s
<b>Ionic nature</b>	Anionic
<b>Freeze-thaw stability</b>	Unchanged after 3 cycles
<b>Stability at 52°C</b>	Unchanged after 1 month

### Safety, Storage, Handling

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Please refer to Safety Data Sheet.  
Shelf life: 12 months from shipping date in originally sealed containers.  
Storage: between 5°C and 35°C.

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The suggestions and data included are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale. It is the buyer's responsibility to determine the suitability of the above formulation through quality control and field testing. Suggestions for uses of our products should not be understood as recommendations that they be used in violation of any existing or pending patents.

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