

## Titanium Complex UAP-11002

### Description:

UAP-1102 is a stable organic Titanium complex in 2-propanol. It is free from TAA.

The material is of light colour and very low odour.

The material shows good compatibility with NC, Polyurethanes, Polyamides, Maleic resins and other binder systems.

### Application:

Printing inks: for improved adhesion of solvent based flexo or gravure inks on various substrates, such as OPP, PET, Metal etc. It can also help to increase lamination bond strength.

Paints and Coatings: for improved adhesion of solvent based paints or coatings on various substrates, such as olefinic substrates, metal, rubber and others.

The material can also be used as crosslinker for –OH or –COOH containing polymers.

In addition, the material can support corrosion protection.

Adhesives: for improved adhesion on various substrates

### Typical properties:

Property	Typical value
Appearance	Water white to pale yellowish liquid
Odour	alcoholic
Titanium content [%]	8.4 – 8.6
Specific gravity @ 30 °C.	0.978 – 0.980
Viscosity, FCB4 @ 30°C [s]	16 - 18
NVM % @ 120 °C / 1 hr	49 - 51

### Storage:

The material should be stored in closed original packaging at a typical storage temperature of 15 – 30 °C. UAP-1102 is moisture sensitive.

### Shelf Life:

The product has a shelf life of at least 12months from the date of manufacture.

### Safety:

When handling this product, please work according to the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

This Technical Data Sheet can only be of an advisory nature. Our data reflect the latest state of our knowledge and are based on the characteristics established in the laboratory and on practical experience. Because there are many factors under the control of the user which may affect processing or application/use, it is necessary for the user to carry out appropriate tests to determine whether the product is technically and safely suitable for the particular purpose, prior to use. No warranties of any kind, either expressed or implied, are made regarding the product here described. We assume no liability for correctness.