

## Polyester Acrylate UHVO-17807

### Description:

UHVO-17807 is a hexa-functional polyester acrylate, characterized by very good pigment wetting, a high reactivity and therefore a fast curing response. It is compatible with a wide range of reactive diluents such as TMPEoTA, DPGDA.

It is a brownish viscous liquid and has very little odour.

### Application:

UHVO-17807 is suitable for the use in radiation curing printing inks and coatings. Used as major binder in UV offset ink formulations the ink shows excellent lithographic properties and very good flow.

The high functionality and fast curing response of the UHVO-17807 makes the material very interesting for high printing speeds and UV-LED applications.

### Typical properties:

Property	Typical value
Appearance	Brownish, viscous liquid
Average functionality	6
Viscosity @ 20 °C; Physica, D=5/s [Pa·s]	100 – 130
Acid value [mg KOH/g]	4 – 12
Hydroxyl value [mg KOH/g]	40 – 50
Double bond density [mol DB/kg]	5.4 – 6.0

### Storage:

Energy curing products should not be exposed to temperatures higher than 40 °C for prolonged period of time or to direct sunlight. Typical storage temperature should be between 15 – 30 °C.

### Shelf Life:

The product has a shelf life of at least 12 months 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.