

**Tacryl UV1083** is a difunctional urethane acrylate oligomer designed for use in UV curing applications. It does not contain any intentionally added organic tin compounds, hydroquinone (HQ) or methyl ether of hydroquinone (MEHQ). (Please note that quinones are present in a great number of raw materials, so the overall quinone content is reduced.

## TYPICAL PROPERTIES

- Appearance      Clear liquid
- Solvent            Hydroxy propyl methacrylate
  
- Color      Hazen(APHA)(ASTM D-1209)      <50  
                  Gardner(ASTM D-1544)              <1
- Solids(%)*(ASTM D-1259)*                      80±1
- Functionality                                      2
- Viscosity at 25°C (cP)*(ASTM D-562)*        800-1500
- Density at 25°C(g/ml)*(ASTM D-1475)*        1.06

## FILM PROPERTIES

- Good abrasion resistance
- Excellent flexibility
- non yellowing
- good outdoor Durability
- good moisture resistance
- appropriate adhesion properties

## RECOMMENDATIONS FOR END-USE

- UV cure nail coatings
- plastic and wood coatings
  
- Printing inks

## FORMULATING GUIDELINES

- See our guide formulation for specific information.
- Should be avoided using with alcohol and glycol solvents.

## STORAGE

- Should be kept in sealed containers at temperature not exceeding 35°C and well-ventilated area for a maximum 6 month.

The information contained herein is correct and reliable to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee, as conditions and methods of use of our products are beyond our control. We suggest that you evaluate these recommendations in your own laboratory prior to use.