

Introduction

Chivacure[®] 300 is an oligomeric poly-functional alpha-hydroxyketone photoinitiator characterized by its extremely high reactivity, low odor and non-yellowing properties. It is compatible with most acrylic-based UV systems and is ideal for extra-thin coatings where oxygen inhibition is severe. When diluted with suitable solvents or surfactants, it is also suitable for water based UV curable systems.

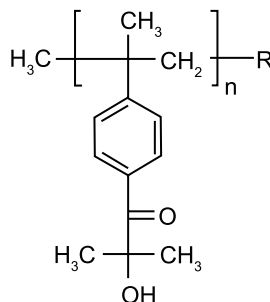
Application

Chivacure[®] 300 is especially suitable for the applications when no migration, low odor and non-yellowing are required. It is recommended for below applications and the use levels range between 0.5% and 5% are recommended depending on the substrate and performance requirements of the final application.

- UV coatings and printing inks
- Adhesives and photoresists
- Printing plates
- Fiber optics

Chemical Information

Structure



Chemical name

Oligo[2-hydroxy-2-methyl-1-[4-(1-methylvinyl)phenyl]propanone]

CAS No. EPA Accession Number 117852

Physical Data

Odor : Faint
Boiling point : >250 °C

Specification

Appearance : White to off-white powder
Assay (HPLC) : 99% min.
Melting point : 100 °C min.
Volatiles : 0.5% max.

Solubility (wt@ 25°C)

n-Butyl acetate : 1.2
MEK : 28
TMPTA : 3
TPGDA : 5
PPTTA : 3
Water : <0.5

UV Spectrum

