

Product Data Sheet

Keycure POL-100F

General

Keycure POL-100F is a liquid mixture of

- KIP 150 Oligo [2-hydroxy-2-methyl-1-[4-(1-methylvinyl) phenyl] propanone] ~70%
- KL 200 2-hydroxy-2-methyl-1-phenyl propan-1-one ~30%

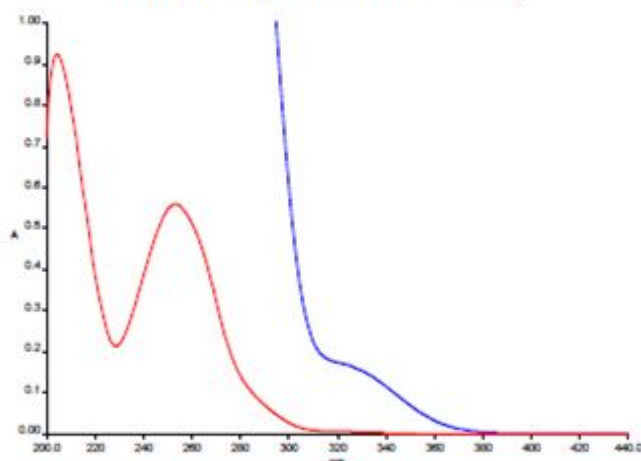
Physical characteristics

Appearance	:	yellow viscous liquid
Odour	:	faint, characteristic
Solubility	:	insoluble in water, soluble in most common organic solvents, monomers, prepolymers; compatible with resins

Toxicological information

LD₅₀ = about 5000 mg/Kg

UV ABSORPTION SPECTRUM
in MeOH (cell thickness = 1cm)



-Keycure POL-100F conc.0.01 g/l

- Keycure POL-100F conc.0.02 g/l

Applications

Keycure POL-100F is particularly indicated for the photopolymerisation of U.V. curable systems when very low curing odour and colour stability are required.

Keycure POL-100F ensures a good balance between speed and through cure when used with TZT and TZM.

Keycure POL-100F is suitable for water based UV curable systems when prediluted in a water compatible solvent (i.e. isopropanol).

Main suggested applications are in the manufacturing of:

- clear lacquers for wood, plastic, paper, metal, optical fibres
- coatings for flooring
- adhesives, printing inks

Optimum concentration is between 0,5 and 5% by weight and depending on system composition, thickness, and desired cure-speed.

Safety and Handling

Considering the characteristics of Keycure POL-100F the following handling precautions should be observed:

- Ensure a clear and well ventilated working area
- Avoid contact with skin (gloves)
- Wear goggles to avoid eyes irritation

Keycure POL-100F should be stored at room temperature and in the dark, we recommend to avoid temperature higher than 35° C.