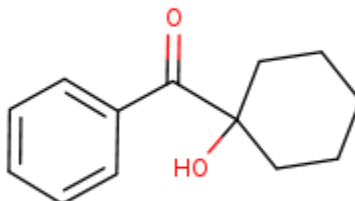


## Technical Data Sheet

22 June 2022

<b>Product name:</b>	PI-184
<b>Product Form:</b>	Solid
<b>Chemical name:</b>	Hydroxycyclohexyl phenyl ketone
<b>Synonym:</b>	Methanone, (1-hydroxycyclohexyl)phenyl-
<b>CAS No:</b>	947-19-3
<b>EINECS No:</b>	213-426-9
<b>Molecular formula:</b>	C <sub>13</sub> H <sub>16</sub> O <sub>2</sub>
<b>Molecular weight:</b>	204.27
<b>Structure formula:</b>	



### Chemical Specification

Appearance	White crystalline powder
Assay (%)	99.0 min.
Melting point (°C)	46.0 – 49.0
Loss on drying (%)	0.20 max.
Ash (%)	0.10 max.
Transmittance (%)	
@ 425 nm	98.0 min.
@ 500 nm	99.0 min.

**Packing:** In 20kgs net carton, 30cartons(600kgs net) on pallet

**Shelf life (months):** 24

**Features and application:**

Mainly used for paper, wood, metal and plastic surface acrylic resin varnish coating UV curing. It has a very good non-yellow degeneration. Even if the cured coating is exposed to sunlight for a long time, the degree of yellow change is very small, so it is particularly suitable for high paint and ink requirements for yellow change.

Recommended uses: light varnish, plastic paint, wood paint, binder, lithography ink, silk ink, flexible ink, electronic products.

The excellent thermal stability photolysis products include benzaldehyde and cyclohexanone, which have a certain odor. Photolysis without benzyl produces excellent yellow denaturation, cryogenic free initiator

The yellow change of acrylic polyurethane under outdoor sunlight can be further reduced by adding HALS UV-292.

Recommended dosage: coating thickness 5-20  $\mu\text{m}$  2 -- 4 % coating thickness 20-200  $\mu\text{m}$  1 -- 3 %

**Storage requirements:**

This product should be sealed and stored in closed, dry, dark, avoid sunlight.