1-Hydroxycyclohexyl Phenyl Ketone

1-Hydroxycyclohexyl Phenyl Ketone · RS-HCPK · CAS 947-19-3 · Technical Data Sheet · RawSource · rawsource.com/product/1-hydroxycyclohexyl-phenyl-ketone/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
947-19-3	RS-HCPK	Photoinitiator (Type I)

1-Hydroxycyclohexyl phenyl ketone (HCPK) is a Type I photoinitiator supplied as a white crystalline powder. It is used in UV curable systems and is insoluble in water and soluble in toluene.

DISTRIBUTED BY
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Product page: rawsource.com/product/1-hydroxycyclohexyl-phenyl-ketone/
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GENERAL INFORMATION

Chemical name	1-Hydroxycyclohexyl phenyl ketone
Molecular weight	204.3
Molecular formula	$C_{13}H_{16}O_2$

TYPICAL PROPERTIES

Solubility	Insoluble in water, soluble in toluene

Typical values are representative of the product and are not specifications.

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	White crystalline powder	Conform
Assay	99.0 % min	99.80 %
Melting point	46.0 – 50.0 °C	47.8 – 48.9
Ash	0.1 % max	0.02 %
Volatiles	0.2 % max	0.12 %
Transmittance at 425 nm (10 g in 100 ml toluene)	98.0 % min	99.30 %
Transmittance at 500 nm (10 g in 100 ml toluene)	99.0 % min	99.80 %

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

KEY FEATURES

- Non-yellowing durability
- Longer shelf life for UV curable systems

APPLICATIONS

- UV curable systems

Applications are those stated for the product. Confirm suitability for each formulation by trials.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.