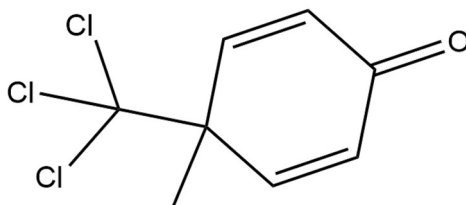


**TMCH**  
**FP 5510****General**

TMCH is a highly efficient free radical photoinitiator designed for most UV curable applications. It readily initiates polymerization of acrylate, methacrylate, styrene, as well as many other unsaturated monomer and oligomer systems.

TMCH is a versatile photoinitiator choice for everything from adhesives, graphic inks, electronics, dry film resists, and coatings for wood, metal, and plastic. It can be paired with various sensitizers to expand the absorbance across the UV-Visible light range, for LED applications.

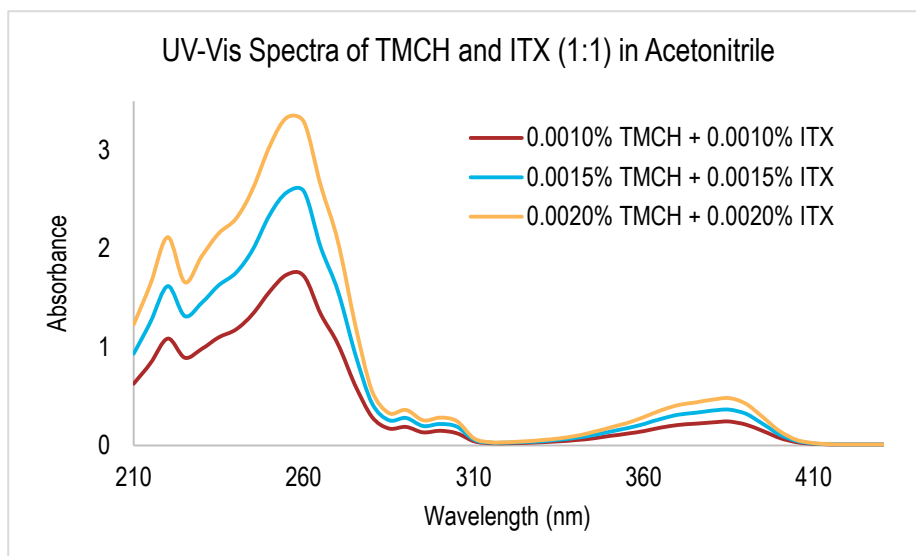
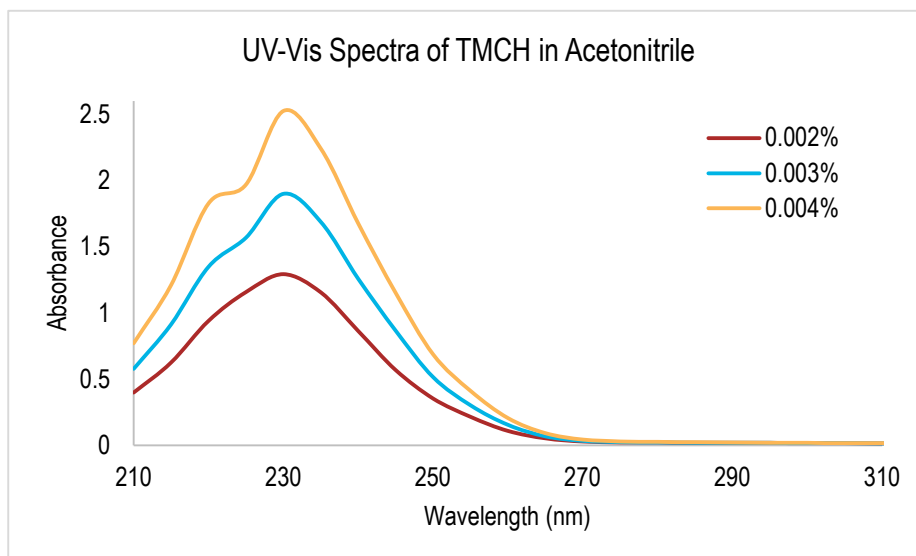
**Chemical Structure****Product Information**

Product Type:	Photoinitiator Type I; Free Radical Generator
CAS Number:	3274-12-2
Product Name:	TMCH
Synonyms:	4-methyl-4-trichloromethyl-cyclohexa-2,5-dienone; TMCH; 4-Methyl-4-(trichloromethyl)-2,5-cyclohexadiene-1-one
Applications:	Electronics; Adhesives; Metal, Plastic and Wood Coatings; Graphic Arts; Dry Film Resists
Key Features:	Photoinitiator; Versatile Across Many Applications

**Typical Properties**

Appearance:	White Crystals
$\lambda$ Max:	228 – 234nm
Melting Point:	102 – 105°C
Molecular Weight:	225.50 g/mole

## Absorption Spectrum



## Safety and Handling

Keep the container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents. Handle in a well-ventilated area with suitable protective equipment. Use local exhaust if dust is generated.

TMCH is sensitive to visible light. Exposure to sunlight should be avoided.

Detailed information is provided in the SDS.

For additional information visit our website [www.hampfordresearch.com](http://www.hampfordresearch.com).