

# 安鋒實業股份有限公司

台灣省台中市工業區 24 路 29 號 TEL : 886-4-23501155 (代表) FAX : 886-4-23507373  
E-mail : anvictor@ms45.hinet.net 網站 : www.twanfong.com

## Photoinitiator for UV Radiation Curing Systems UVC-262

### Specification :

Appearance	: Yellow powder
Assay (HPLC)	: 98% min.
Melting point	: 83~85°C
Volatiles	: 0.5% max.
Boiling point	: >250°C
Odor	: Faint

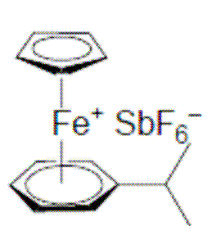
### Properties :

Chemical Name : ( $\eta$  5-2,4-cyclopentadien-1-yl)[(1,2,3,4,5,6- $\eta$ )-(1-methylethyl)benzene]-iron(I)-hexafluoroantimonate

CAS No : 100011-37-8

EC No. : 407-840-0

Structure :



### General :

UVC-262 belongs to the class of cationic organometallic photoinitiators. It provides excellent light absorption and high resolution for epoxy curing. Thermal cure may be needed after photo activation of the catalyst depending on the kind of resin used. Although it is not as efficient cationic photoinitiators as the sulfonium salts, it does have the advantage of stability of the cured image. Besides the photobleaching property make deep penetration can be easily achieved. It can cure coatings and castings up to several millimeters in thickness. Its use in combination with hydroperoxide and/or photosensitizers such as ITX or anthracene, the thermal requirements tends to substantially reduced.

### Application :

UVC-262 is recommended for the applications such as etch resist PCB, solder masks as well as laser direct imaging. It is also suitable for water-soluble photopolymers.

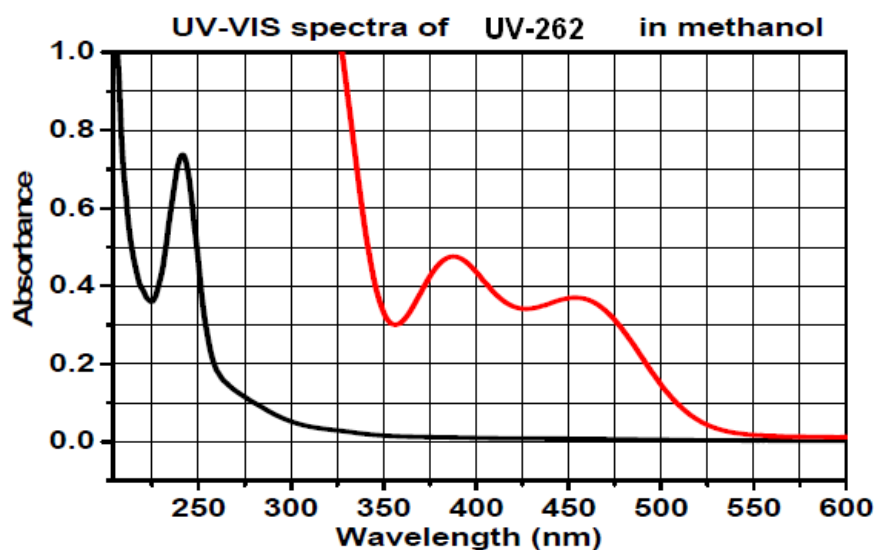
### Solubility : (g in 100 ml solvent @20°C)

Water	: 0.4	Bisphenol epoxy acrylate	: >10
Dichloromethane	: 80	TMPTA	: >10
Toluene	: 40	TPDGA	: >10

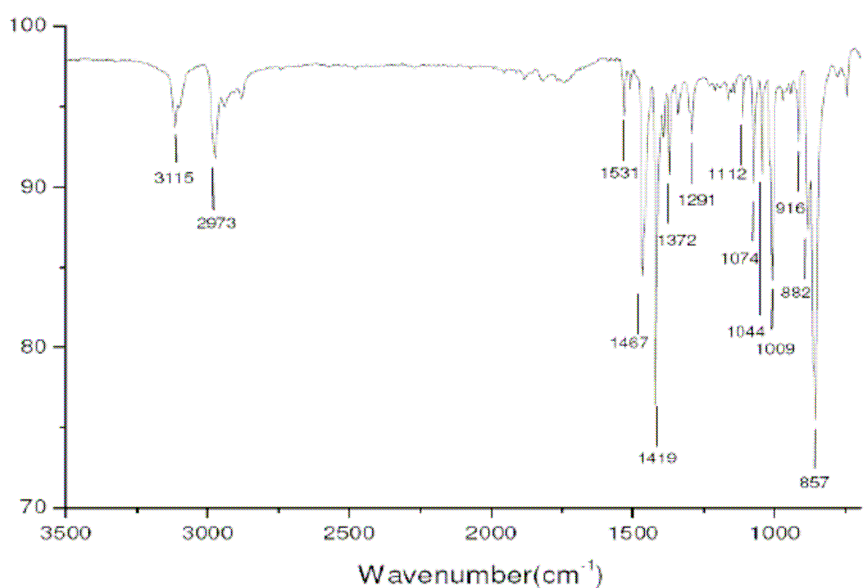
# 安鋒實業股份有限公司

台灣省台中市工業區 24 路 29 號 TEL：886-4-23501155（代表） FAX：886-4-23507373  
E-mail：anvictor@ms45.hinet.net 網站：www.twanfong.com

## UV-VIS Spectra：



## IR Spectrum



## 儲存：

存放於 5~35°C 室內陰涼乾燥處，避免陽光照射遠離火氣。

注意：此為一指導性資料，並不具有約束力，我們建議使用者能在使用之前做有必要的測試，不要把它當做一種直接的替代品，如此才能確保產品適合於指定的應用。