

Product Description

H-Nu 470IL is a broad wavelength use liquid blend photoinitiator with easy addition to a **free-radical** curable formulation. It will photoinitiate resins across the UVB, UVA and near-UV visible portion of the light spectrum. H-Nu 470IL is a commercial photoinitiator with a broad absorbance range of 300 nm to 530 nm (λ_{\max} = 380 nm).

Advantages

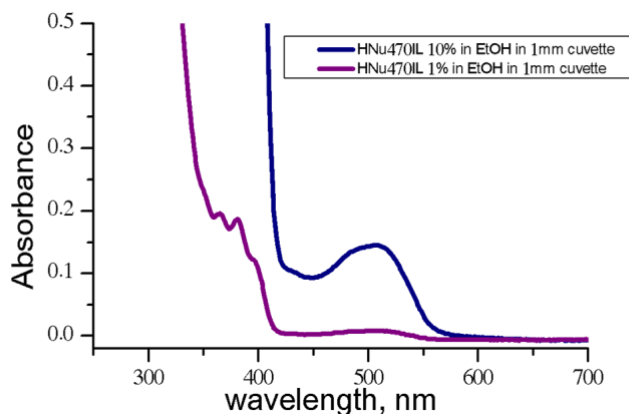
- ✓ Easy to incorporate liquid, minimizes downtime arising from solubility issues
- ✓ Capable of significant depth of cure, > 1inch
- ✓ Time and energy savings when one-pass thick cure can replace thin multilayered coatings
- ✓ Cure through UV opaque or pigmented substrates
- ✓ Initiator bleaching: from yellow to no residual color, depending on the exposure dose
- ✓ Bleaching/color change indicator of exposure/cure with UV/visible light

Photoinitiator Usage Recommendations

- ✓ Recommended starting concentration of H-Nu 470IL is 5% by weight. We recommend testing several concentrations in a “ladder” study between 2-10% to achieve best results
- ✓ H-Nu 470IL contains N,N-dimethylacrylamide (N,N-DMAA). Alternately, a version based on cyclohexanone (CX) can be offered.

Typical Properties

Property	Test Method	Typical Value
Absorbance Maximum	UV Visible spectroscopy	380 nm
Appearance	Visual	Orange Liquid



Disclaimer

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