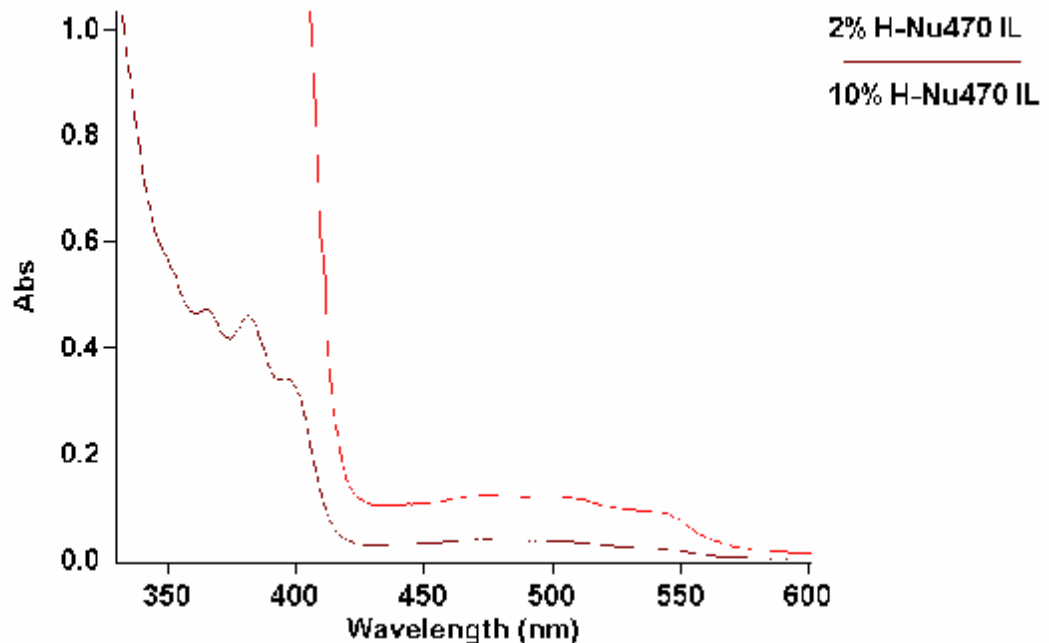


## H-Nu 470 IL Liquid Blend

### Visible/UV-Visible Light Photoinitiator

#### General Information

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



#### Benefits of Use

- Easy to incorporate liquid, minimizing downtime from solubility issues
- Capable of significant depth of cure, > 1 inch
- Time and energy savings when one-pass thick cure can replace thin multi-layered coatings
- Cure through UV opaque, pigmented, or colored substrates (e.g. Kapton)
- Initiator bleaching: from bright orange to pale yellow/no residual color
- Bleaching/color change indicator of exposure/cure with UV/visible light

## Physical Properties

Appearance                    Orange Liquid  
Molecular Weight          Mixture (N/A)  
Absorbance Maximum 380 nm

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## 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.
- H-Nu photoinitiator systems and materials that contain them are light sensitive and should be kept in the dark or in light proof bottles when not in use.
- “Dimmed” light conditions or other form of light shielding for mixing and formulating when using H-Nu photoinitiators are recommended to prevent unwanted pre-polymerization.

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### Product Safety and Handling

Please read MSDS information before handling any products described in this brochure.

### Disclaimer

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