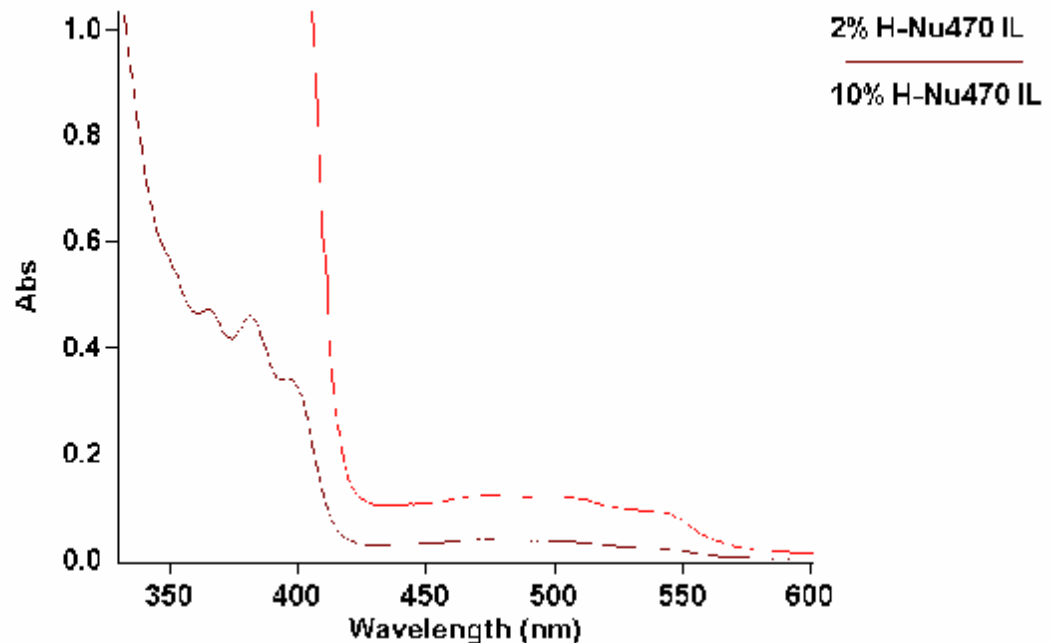


H-Nu 470 IL Liquid Blend

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

.....

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.

.....

Product Safety and Handling

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

Disclaimer

All Spectra Group Limited, Inc. manufactured materials in this brochure are not intended for use in products which would be regulated by the Food and Drug Administration unless the finished product is tested in accordance with the FDA and other applicable safety testing requirements. Spectra Group Limited, Inc. is not able to recommend these materials for such uses and assumes no liability for any such use. Technical advice furnished by the seller shall not constitute a warranty or condition, statutory or otherwise, which is expressly disclaimed, all such advice being given and accepted is at the buyer’s risk. Data and results that the user or buyer achieves may differ. Optimization, scale-up and product performance are the responsibility of the buyer or user.