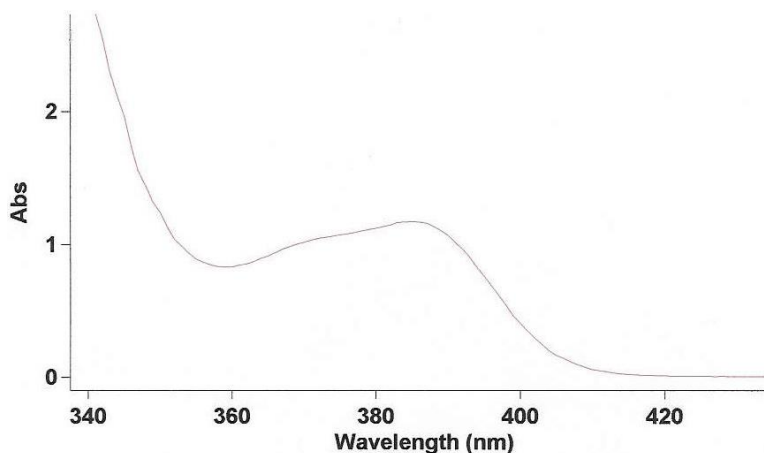


H-Nu C390 HI UV-Visible Light Photoinitiator

General Information

- **H-Nu C390 HI** is an antimony free, benzene free, cationic photoinitiator with absorbance in the long wavelength UV region.
- Recommend light sources include tungsten-halogen, pulsed-xenon, mercury arc, and doped mercury arc lamps.
- Polymerizes most epoxides and vinyl ethers containing monomers and resins.
- Miscible with epoxide monomers and organic solvents.
- Instantly available in test quantities of 20 and 100 grams.
- Individual components are not known to be toxic.



Benefits of Use

- Provides rapid cure at depth.
- Can be used in presence of pigmented systems, including TiO₂.
- Typical concentration range: 1-2.5wt.% of H-Nu C390 HI per epoxide containing material
- No other co-initiators required.

Photoinitiator Usage Recommendations

- Do not use higher than necessary levels of H-Nu C390 HI as it may inhibit cure response due to lack of light penetration. Optimum concentration should be established by the user.
- Once everything has been added, we recommend waiting at least 3-4 hours before using the formulation to ensure maximum solubility.
- 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.
- If precipitation occurs upon storage, mild reheat at 60°C for 1-2 hours until dissolved.

Product Safety and Handling

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

H-Nu C390 HI is to be used for photoinitiator purposes only. It is an experimental product and its components have been found to be non-toxic and Ames negative, but the long term health effects from exposure to this material have not been fully investigated. Exercise Due Care.

Disclaimer

All Spectra Groups 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 is tested in accordance with the FDA and other applicable safety testing requirements. Spectra Groups 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.

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