H-Nu C390 UV-Visible Light Photoinitiator

General Information

- **H-Nu C390** is an antimony 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.

![Absorbance Graph](image)

Benefits of Use

- Provides rapid cure at depth.
- Can be used in presence of pigmented systems, including TiO₂.
- Typical concentration range: 2.5-4 wt.% of H-Nu C390 per epoxide containing material.
- No other co-initiators required.
**Photoinitiator Usage Recommendations**

- Do not use higher than necessary levels of H-Nu C390 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 prepolymerization.

- If precipitation occurs upon storage, mild reheat at 60°C for 1-2 hours until dissolved.

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**Product Safety and Handling**

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

H-Nu C390 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**

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