

Product Description

H-Nu C390HI is a broad wavelength use liquid blend antimony-free photoinitiator with easy addition to a **cationic** curable formulation. It will photoinitiate resins across the UV/visible portion of the light spectrum. Products of this photoinitiator decomposition are benzene-free.

Advantages

- ✓ Easy to incorporate liquid, minimizes downtime arising from solubility issues. Easily miscible with epoxide monomers and a number of organic solvents.
- ✓ Provides rapid cure speed to produce hard polymer from most epoxide and vinyl ethers containing monomers and resins
- ✓ Higher level of activity compared to other antimony-free cationic photoinitiators
- ✓ Cure through UV opaque or pigmented substrates (including TiO₂)
- ✓ No other co-initiators required
- ✓ Individual components are not known to be toxic. Consult SDS

Photoinitiator Usage Recommendations

- ✓ Test several concentrations in a “ladder” study between 1 – 2.5 wt.% per epoxide containing material to achieve best results
- ✓ It is important not to use higher than necessary levels of H-Nu C390HI as it may inhibit cure response due to lack of light penetration

Disclaimer

The materials in this brochure are not intended for use in products which would be regulated by the Food and Drug Administration (FDA) unless the finished product is tested in accordance with the applicable safety requirements. Spectra Photopolymers 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.

Typical Properties

Property	Test Method	Typical Value
Absorbance Maximum	UV Visible spectroscopy	390 nm
Appearance	Visual	Yellow Liquid

