This piece is excerpted from a study by Wilhelm Research Institute. The entire article can be seen at http://www.wilhelm-research.com/ep9600%20print%20permanence.html

Fluorescent brighteners (also called "UV brighteners," "optical brighteners," or" optical brightening agents" [OBA's]) are white or colorless compounds added to most inkjet and other papers in order to make them appear whiter and "brighter" than they really are. Fluorescent brighteners absorb ultraviolet (UV) radiation, causing the brighteners to fluoresce (emit light) in the visible region, especially in the blue and green portions of the spectrum. Fluorescent brighteners can lose activity - partially or completely - as a result of exposure to light. Brighteners may also lose activity when subjected to high temperatures in accelerated thermal aging tests and, it may be assumed, in long-term storage in albums or other dark places under normal room temperature conditions. With loss of brightener activity, papers will appear to have yellowed and to be "less bright" and "less white." In recent years, traditional chromogenic ("silver-halide") color photographic papers have been made with UV-absorbing interlayers and overcoats and this prevents brighteners that might be present in the base paper from being activated by UV radiation. It is the relative UV component in the viewing illumination that determines the perceived "brightening effect" produced by fluorescent brighteners. If the illumination contains no UV radiation (for example, if a UV filter is used in framing a print), fluorescent brighteners are not activated and, comparatively speaking, the paper appears to be somewhat yellowed – and not as "white." This spectral dependency of fluorescent brighteners makes papers containing such brighteners look different depending on the illumination conditions. For example, prints displayed near windows are illuminated with direct or indirect daylight which contains a relatively high UV component and, if an inkjet paper contains brighteners, this causes the brighteners to strongly fluoresce. When the same print is displayed under incandescent tungsten illumination, which has a low UV component, the brighteners have little effect. Another potential drawback is that brightener degradation products may themselves be a source of yellowish stain. These problems can be avoided simply by not adding fluorescent brighteners to inkjet photographic papers during manufacture. When long-term image permanence is an important consideration – or may eventually become an important consideration – fluorescent brighteners should be avoided.