

# UV Keychain Light

Testing for optical brightening agents (OBAs)  
aka: fluorescent brightening agents (FBAs)

## Finding poison in your environment

Simply shine the light and note the color.

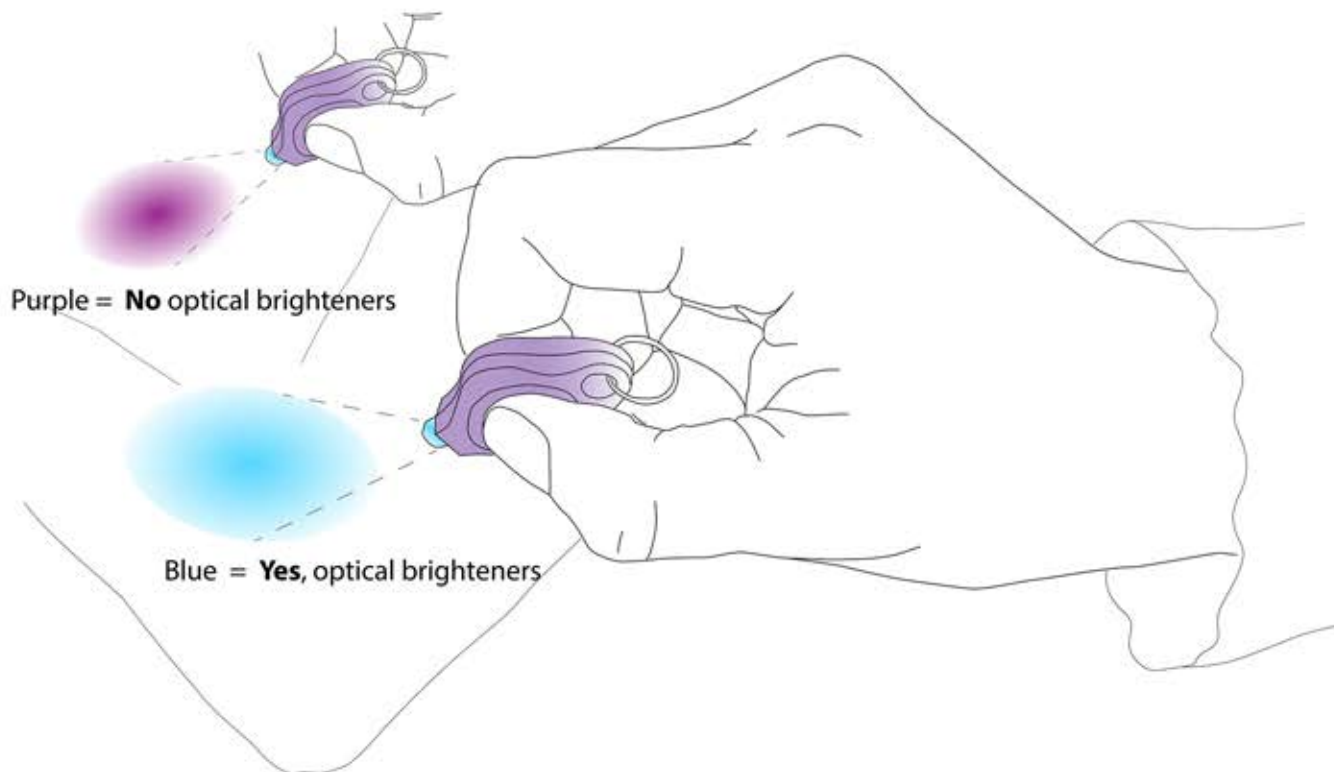
Optical Brighteners are chemical compounds that absorb light in the ultraviolet region of the electromagnetic spectrum and re-emit light in the blue region by fluorescence (Thereby making things look brighter, bluer and less yellow). OBAs are not readily biodegradable. It is safe to say that OBAs are harmful to life within our waterways and change the physical properties of small organisms. In humans, OBAs can make skin more photosensitive, causing the development of skin irritation, rashes and skin cancers. They are suspected of creating developmental problems in children.

29,000,000 lbs. of U.S. produced optical brighteners went into laundry detergents in 1969\*... today, who knows how much of this useless chemical is present. So let's get together and stop subjecting our planet to harmful chemicals whose sole purpose is to trick us into thinking things are whiter than they really are.

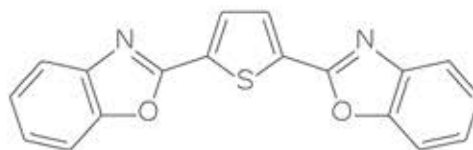
– Donald Farnsworth, 2017

\* 1975 study by the Environmental Protection Agency

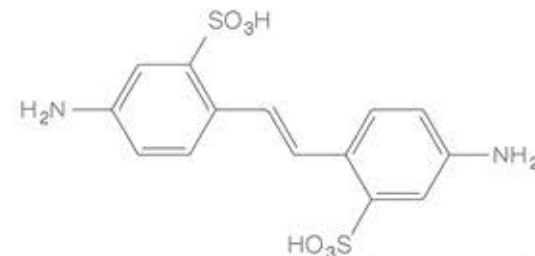
**Caution:** This is a UV light, so do not shine in eyes and keep out of the reach of children



**Laundry detergent • Hand soap • Cosmetics  
Toothpaste • Textiles • Paper • Plastics • Paint**



**4 4'-bis (benzoxazolyl)-cis-stilbene and 2  
5-bis (benzoxazol-2-yl) thiophene**



**4,4'-diamino-2,2-stilbenedisulfonic acid**