

# ACA 50-165; 50-166

## UV Sensitive Labels

Specialty

SPECIALTY  
PRODUCT

**PRODUCT DESCRIPTION**— UV Sensors are ultraviolet radiation sensitive labels that change from yellow to red when exposed to the amount of UV radiation that would cause a fair skinned person to experience sunburn. UV Sensors consist of an ink that changes color in a calibrated fashion as it absorbs ultraviolet rays. The ink is applied to a specially designed pressure sensitive roll label stock. The material can be printed, die cut, sheeted and custom packaged with graphics of your choice. For the best adhesion, the UV Sensors should be applied to clean, dry surfaces. They may be worn on clothing, clean skin, or placed on surfaces that have sunlight exposure similar to the wearer. Shelf life is over 2 years if the UV Sensors are kept in the sealed packages and kept away from extreme heat and humidity.



**ACA-50-165** changes color with exposure to UV light of 1.5 MEDs.

**ACA 50-166** changes color at 3.5 MEDs.

**TYPICAL USE**—The label warns the person wearing the UV Sensor to get out of the sun before sunburn occurs. This is especially important for young children. Studies have shown that as little as three severe bouts of sunburn can increase the risk of skin cancer later in life.

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