

# CYASORB® UV-531 light absorber

## TYPICAL PROPERTIES

Chemical Formula	C <sub>21</sub> H <sub>26</sub> O <sub>3</sub>
Molecular Weight	326
Melting Point, °C	47.0 min
Specific Gravity (25°C)	1.16
Description	Yellow powder free from foreign material
Color, Gardner	7.5 max
Loss on Drying, %	0.2 max

## PERFORMANCE BENEFITS

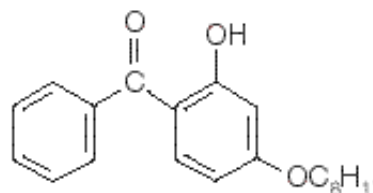
- Cost efficient
- Superb compatibility with polymers and other additives

## HEALTH AND SAFETY

### EFFECTS OF OVEREXPOSURE:

Acute oral (rat) and acute dermal (rabbit) LD<sub>50</sub> values for this product are both >10.0 g/kg. The 4-hour LC<sub>50</sub> (rat) value is estimated to be greater than 20 mg/L. No skin irritation and minimal eye irritation were produced during primary studies with rabbits. Repeated dermal application of a 25% concentration in petrolatum for 48 hour exposures did not cause dermal irritation or allergic skin reaction in 25 human subjects.

Before handling this material, read the corresponding Cytec Industries Inc. Material Safety Data Sheet (MSDS) for safety, health, and environmental data.



2-Hydroxy-4-*n*-octoxybenzophenone  
CAS NUMBER 1843-05-6

## FDA STATUS

CYASORB UV-531 light stabilizer is sanctioned by Section 178.2010 of the Food Additive Regulations for use as a stabilizer in olefin polymers complying with Section 177.1520 (c) items 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3, and 4, at concentrations not exceeding 0.5 percent by weight of the polymer. The finished articles may be used in contact with certain foods of high water content and with dry foods, specifically, aqueous non-acid foods, dairy products consisting of oil-in-water emulsions, and moist bakery products and dry solids with no free surface fat or oil (FDA's food types I, IV-B, VII-B, and VIII), under conditions as severe as or less severe than boiling-water sterilization (FDA's conditions of use B through H).

CYASORB UV-531 light stabilizer is sanctioned by Section 178.3710 of the Food Additives Regulations for use as a stabilizer in petroleum wax used as a component of articles in contact with food at a level not to exceed 0.01 percent by weight of the wax.

### Shipping Classification:

Chemical NOI

### Shipping Container:

32-gallon fiber drum, 110 lb. net

# CYTEC INDUSTRIES INC.

## POLYMER ADDITIVES

### Customer Service

Willow Island, WV      Tel: 888-CYTECPA\*  
                                    Fax: 800-545-1951\*  
                                    Tel: 304-665-3753  
                                    Fax: 304-665-3625

\* U.S. and Canada only

### Technical Service Group

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                                    Tel: 800-486-5525

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                                    Fax: 55-11-5505-4565

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                                    Fax: 56-2-368-9205

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                                    Fax: 81-3-3586-9732

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                                    Fax: 82-2-3452-1202

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                                    Fax: 886-2-2-705-3967

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