

CYASORB® UV-1164 light absorber

TYPICAL PROPERTIES

Chemical Formula	$C_{33}H_{39}N_3O_2$
Molecular Weight	509
Specific Gravity (25°C)	1.15
Melting Point, °C	88.0 - 91.0
Description	Light yellow powder
Assay, wt. %	96.0 min
Toluene Insolubles, wt. %	0.5 max
Loss on Drying, wt. %	0.5 max
Absorbance (10% in Toluene)	0.30 max

PERFORMANCE BENEFITS

- High inherent UV stability
- Minimal color contribution
- Low interaction with metals
- High permanence
- Excellent compatibility with other stabilizer chemistries

HEALTH AND SAFETY

EFFECTS OF OVEREXPOSURE:

Acute oral (rat) and dermal (rabbit) LD50 values are >5.0 g/kg and >2.0 g/kg, respectively. The 4-hour LC50 (rat) value was greater than 377 mg/m³ which was the maximum attainable concentration. No skin irritation (rabbit) or dermal sensitization (guinea pigs) was seen with this material.

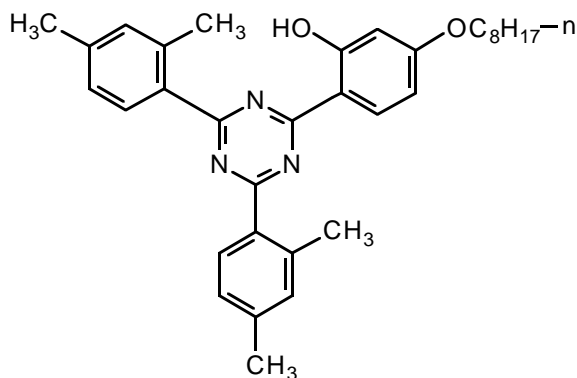
This material was not mutagenic in the Ames Assay. Direct contact with this material may cause mild eye and minimal skin irritation.

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

FDA STATUS

2-[4,6-Bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl]-5-(octyloxy) phenol is for use only:

1. At levels not to exceed 0.3% by weight of olefin polymers complying with Section 177.1520(c) of this chapter in contact with food types I, II, IV-B, VI, VII-B, and VIII in Section 176.170(c) chapter, table 1, under conditions of use D through G as described in Section 176.170(c), table 2, of this chapter.
2. At levels not to exceed 0.1% by weight of polypropylene complying with Section 177.1520(c) of this chapter, items 1.1a, 1.2, and 1.3 in contact with food under conditions of use A through H as described in Section 176.170(c), table 2, of this chapter.



2-[4,6-Bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl]-5-(octyloxy) phenol

CAS NUMBER 2725-22-6

3. At levels not to exceed 0.04% by weight of polyethylene and olefin copolymers complying with Section 177.1520(c) of this chapter, items 2.1, 2.2, 2.3, 3.1a, 3.1b, 3.1c, 3.2a, and 3.2b having a minimum density of 0.94 gram per cubic centimeter, in contact with food under conditions of use A through H as described in Section 176.170, table 2, of this chapter provided that the finished articles used in contact with fatty food types III, IV-A, V, VII-A and IX as described in table 1 of Section 176.170(c) of this chapter hold a minimum of 2 gallons (7.6 liters) of food.
4. At levels not to exceed 0.04% by weight of ethylene copolymers complying with Section 177.1520(c) of this chapter, items 3.1a, 3.1b, 3.1c, 3.2a and 3.2b, having a density of less than 0.94 gram per cubic centimeter, in contact with food under conditions of use B through H, as described in Section 176.170(c), table 2, of this chapter provided that the finished articles used in contact with fatty food types III, IV-A, V, VII-A, and IX hold a minimum of 5 gallons (18.9 liters) of food.
5. At levels not to exceed 0.04% by weight of polyethylene having a density of less than 0.94 gram per cubic centimeter, and olefin polymers complying with Section 177.1520(c) of this chapter, items 2.1, 2.2, 2.3, 3.3a, 3.3b, 3.4, 3.5, 3.6, 4, 5, and 6 in contact with food under conditions of use D through G as described in Section 176.170(c) of this chapter, table 2, provided that the finished articles used in contact with fatty food types III, IV-A, V, VII-A, and IX hold a minimum of 5 gallons (18.9 liters) of food.

Shipping Classification:

Chemical NOI

Shipping Container:

100 lb drum

POLYMER ADDITIVES

Technical Service Group

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* Operates in U.S. and Canada only

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