



Entrada 200 Unit 203 tel.: 31 20 4166638
 1114 AA Amsterdam-Duivendrecht fax: 31 20 5241356
 The Netherlands email : sales@hunan-chem.com

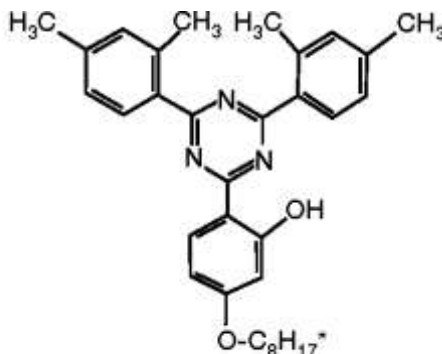
www.hunan-chem.com

Trade registration nr. 50769421 Chamber of Commerce Amsterdam

Technical Data Sheet

Product name:	UV-1164
Product Form:	Pale yellowish powder
Chemical name:	2,4-Bis(2,4-dimethylphenyl)-6-(2-hydroxy-4-isooctyloxyphenyl)-1,3,5-triazine
Synonym:	Cyasorb®UV-1164, 2-[4,6-Bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl]-5-(octyloxy-)phenol, Phenol, 2-[4,6-bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl]-5-(octyloxy)
CAS No:	2725-22-6
EINECS No:	412-440-4
Molecular formula:	C ₃₃ H ₃₉ N ₃ O ₂
Molecular weight:	510
IUPAC name:	2,4-Bis(2,4-dimethylphenyl)-6-(2-hydroxy-4-isooctyloxyphenyl)-1,3,5-triazine

Structure formula:



*C₈H₁₇ represents a mixture of isomeric isooctyl groups

Chemical Specification

Appearance:	Pale yellow powder
Melting point (°C):	88-93
Assay (%):	98.0 min.
Loss on drying (%):	0.5 max.
Absorbance (10% in toluene @ 440 nm)	0.3 max.

Packing:

In 20kgs net drum

REACH No:

17-2120010056-75-0000

Characterization:

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 >5.0g/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 Hunan Chemical Material Safety Data Sheet (MSDS) for safety, health, and environmental data.

FDA status

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.
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.

Notice

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.