



Sarex Overseas

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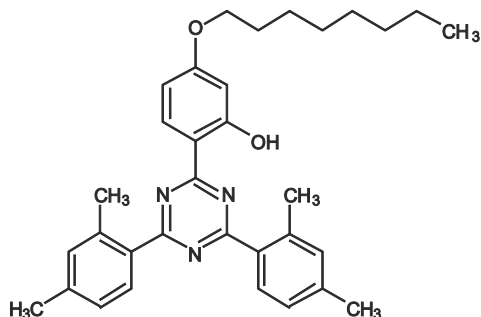
APPOLO-1164



- *UV Absorber 1164 is used as a stabilizer for olefin polymers intended for use in contact with food.*
- *Polyethylene sheets used for agriculture / Greenhouse films*

APPOLO-1164

• STRUCTURE



• PRODUCT NAME & DETAILS

2,4-Bis(2,4-dimethylphenyl)-6-(2-hydroxy-4-octyloxyphenyl)-1,3,5-triazine (Appolo-1164)

Product Code	: 001305
CAS No.	: 2725-22-6
HS Code	: 2933.69.90
Molecular formula	: $C_{33}H_{39}N_3O_2$
Molecular weight	: 509.68

• SPECIFICATION

Physical Appearance	: Off White to Yellowish Powder
Identity HPLC	: Identical
Solubility (5% In Toluene)	: Clear Light Yellow Solution
Melting Point	: 90.0 to 92.0°C
Transmittance (%) 460 NM	: NLT 90.0%
Transmittance (%) 500 NM	: NLT 95.0%
Volatiles	: NMT 0.50%
Purity By HPLC	: NLT 99.0%

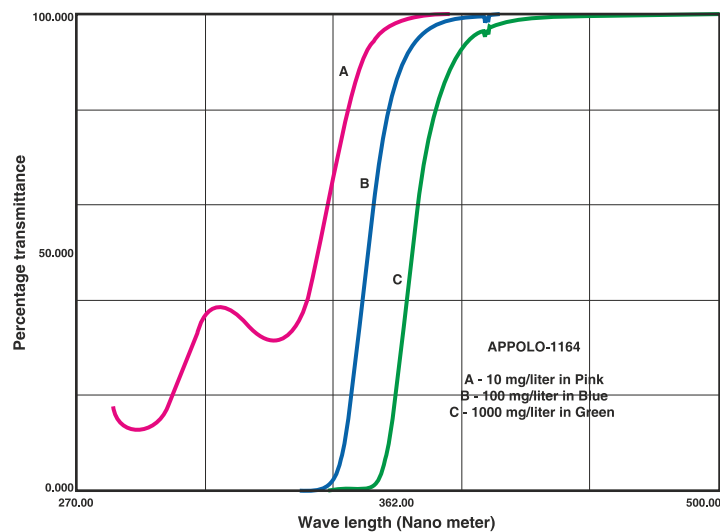
• PHOTOGRAPH OF THE PRODUCT



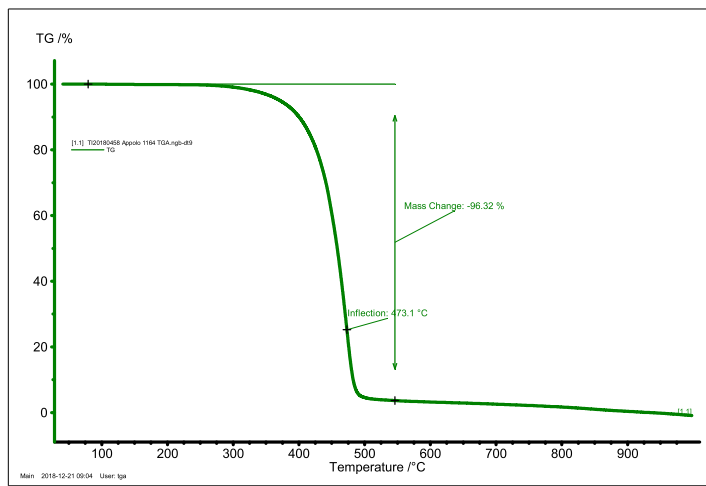
• APPLICATION

- UV Absorber 1164 is used as a stabilizer for olefin polymers intended for use in contact with food.
- It is also used as UV light absorber and high inherent UV stabilizer in other polymers. Excellent compatibility with other stabilizer chemistries.
- Used in products to protect them from long-term degradation from the effects of UV exposure
- Minimal color contribution.
- It also show Low interaction with metals.
- Used in rubber products (e.g. tires) and their manufacture.
- UV 1164 has a very low volatility.
- This product is suitable for polyoxymethylene, polyamide, polycarbonate, polyethylene, polyether amine, ABS resin and polymethyl methacrylate. Especially suitable for nylon and engineering plastics.
- Polyethylene sheets used for agriculture/Greenhouse films, PPE in hospitals and in medical devices such as incubation tubs.

• APPOLO-1164 : SPECTRAL TRANSMISSION



• APPOLO-1164 : TGA CURVE



Minimum volatility temperature:
5% at 380°C ; 10% at 405°C.

• **FOOD APPROVAL STATUS (for plastic coming in contact with food) CAS No.2725-22-6 has EU & FDA approval. In USA according to FDA 21 CFR part section 178.2010**

- A. At levels not to exceed 0.3 percent by weight of olefin polymers complying with 177.1520(c) of this chapter in contact with food types I, II, IV-B, VI, VII-B, and VIII described in 176.170(c) of this chapter, table 1, under conditions of use D through G as described in 176.170(c), table 2, of this chapter.
- B. At levels not to exceed 0.1 percent by weight of polypropylene complying with 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 176.170(c), table 2, of this chapter.
- C. At levels not to exceed 0.04 percent by weight of polyethylene and olefin copolymers complying with 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 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 176.170(c) of this chapter hold a minimum of 2 gallons (7.6 liters) of food.
- D. At levels not to exceed 0.4 percent by weight of ethylene copolymers complying with 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 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.
- E. At levels not to exceed 0.04 percent by weight of polyethylene having a density of less than 0.94 gram per cubic centimeter, and olefin polymers complying with 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 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.
- F. EU Approval : Appolo-1164 with CAS no. 2725-22-6 is registered under Ref. no. 38885 and has a SML=0.05 only for acqeous food.

• **HAZARD CLASSIFICATION**

Non-hazardous substance.



Irritant

• **CAPACITY**

250 MT Per Year.

• **STORAGE CONDITION**

Store in closed container at ambient temperature. Avoid direct sunlight.

• **PACKING DEATILS**

Corrugated Boxes (7 Ply)
Size = 360 X 360 X 480 mm
Net Quantity per box = 20 kgs
Inner Packing double plastic liner inside
27 boxes can be placed on wooden pallet (ISPM 15) in 3 tier
(9 Boxes in one tier * 3 tier = 27 Boxes)
Total quantity per pallet = 27*20 = 540 kgs
One 20 feet container load quantity = 540*10 pallets = 5400 kgs

• **SHELF LIFE**

3 Years.

Disclaimer:

Typical properties should not be considered as specification.

Product covered by valid patents are not offered or supplied for commercial use. The Patent position should be verified by the customer.

Products will not be supplied to countries where they could be in conflict with existing patents.

Products currently covered by valid US patents are offered for R&D use in accordance with 35 USC 271 (e) (I)

Above information is given in good faith and without warrenty.

Contact Us



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