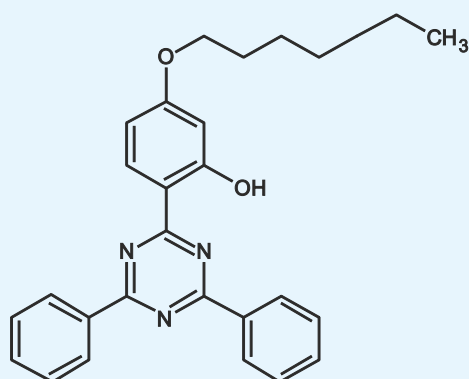


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APPOLO-1577 (FLK)

1. STRUCTURE



2. PRODUCT NAME & DETAILS

2-(2-Hydroxy-4-hexyloxyphenyl)-4,6-Bis(phenyl)-1,3,5-triazine (Appolo-1577 (FLK))

Product Code	: 005630
CAS No.	: 147315-50-2
HS Code	: 2933.69.90
Molecular formula	: C ₂₇ H ₂₇ N ₃ O ₂
Molecular weight	: 425

3. ADDITIONAL ADVANTAGES

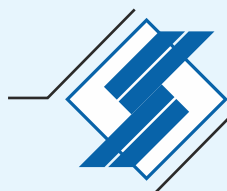
- At the time of Application, it avoid dusting problem and facilitate with good flowability.
- It also avoid cohesion of the particle.

4. REGULATORY INFORMATION

Chemical name	Common names and synonyms	CAS number	EC number
2-(4,6-Diphenyl-1,3,5-triazin-2-yl) -5-((hexyl)oxy)-phenol	2-(4,6-Diphenyl-1,3,5-triazin-2-yl) -5-((hexyl)oxy)-phenol	147315-50-2	411-380-6
European Inventory of Existing Commercial Chemical Substances (EINECS)		Not Listed	
EC Inventory		Listed	
United States Toxic Substances Control Act (TSCA) Inventory		Listed	
China Catalog of Hazardous chemicals 2015		Not Listed	
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)		Listed	
Korea Existing Chemicals List (KECL)		Listed	
Canadian Domestic Substance List (DSL)		Listed	
Canadian Non-Domestic Substance List (NDSL)		Not Listed	
Japanese Existing and New Chemical Substances Inventory (ENCS)		Listed	

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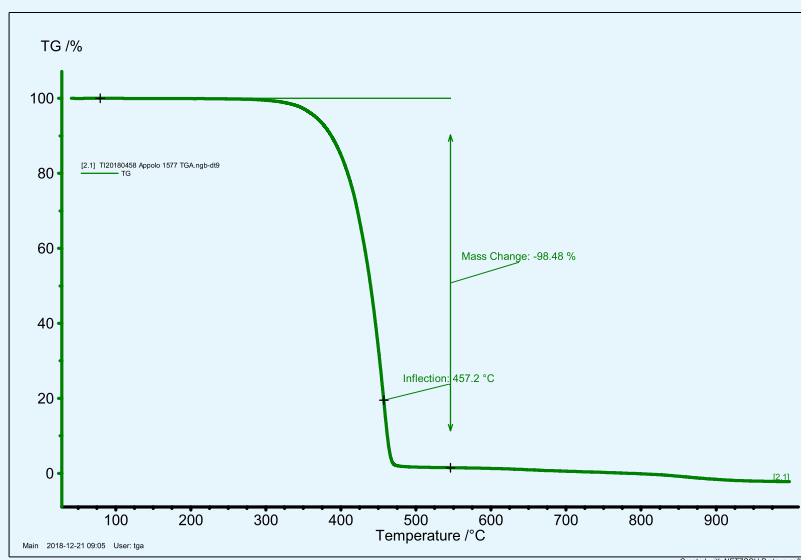
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APPOLO-1577 (FLK)

5. SPECIFICATION

Physical Appearance	: Yellowish Flakes
Melting Point	: 148.0 to 150.0°C
Solubility	: Clear Solution
Loss On Drying	: NMT 0.50%
Purity By HPLC	: NLT 98.5%
Transmittance (%) 450 NM	: NLT 87.50%
Transmittance (%) 500 NM	: NLT 98.0%

6. TGA CURVE

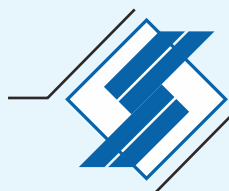


7. APPLICATION

- Appolo-1577 (FLK) is of high-temperature resistance, low volatility and low precipitation.
- Good compatibility with most polymers, additives and formulation resins.
- Appolo-1577 (FLK) applications include polyalkene terephthalates and naphthalates, linear and branched polycarbonates, modified polyphenylene ether compounds and various high-performance plastics.

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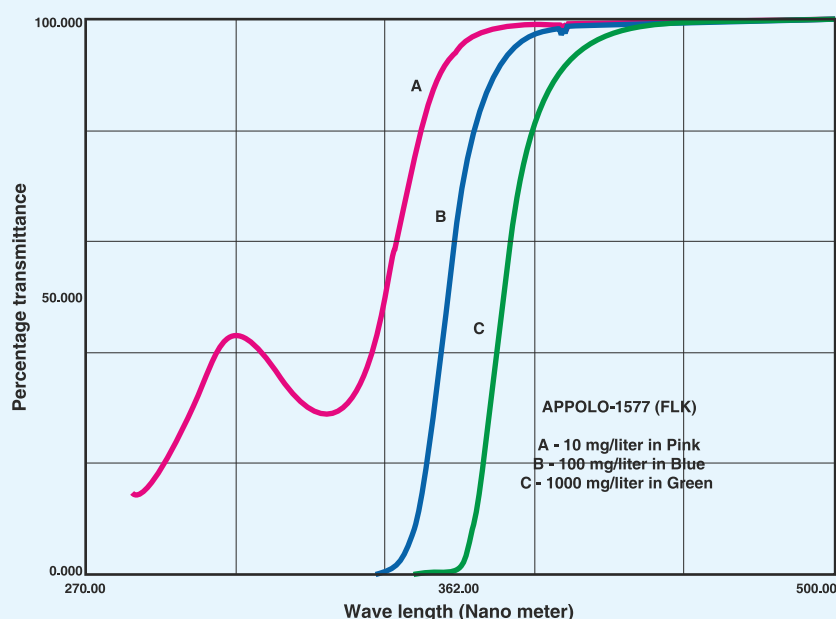
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APPOLO-1577 (FLK)

7. APPLICATION

- The use of Appolo-1577 (FLK) is indicated in polymer blends and alloys, such as PC/ABS, PC/PBT, PPE/IPS, PPE/PA and copolymers as well as in reinforced, filled and/or flame retarded compounds, which can be transparent, translucent and/or pigmented. Its very low tendency to chelate allows Appolo-1577 (FLK) formulations in polymers containing catalyst residues.
- Recommend dosage of Appolo-1577 (FLK): PS 0.2-0.5%, PC 0.15-0.3%, polyolefin 0.2-0.5%, Polyester 0.3-0.5%.

8. APPOLO-1577 (FLK) : SPECTRAL TRANSMISSION



9. FOOD APPROVAL STATUS (for plastic coming in contact with food)

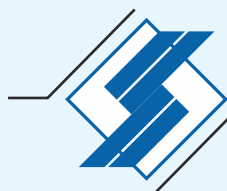
CAS No. 147315-50-2 is registered by **European community** under Ref. no. 51700 and has a SLM=0.05 with no food restrictions.

In USA according to FDA 21 CFR part section 178.2010

1. At levels not to exceed 0.5 percent by weight of polycarbonate resins complying with § 177.1580 of this chapter.
2. At levels not to exceed 0.5 percent by weight of polyester elastomers complying with § 177.1590 of this chapter.
3. At levels not to exceed 0.5 percent by weight of polyethylene phthalate polymers complying with § 177.1630 of this chapter, in contact with food under conditions of use A through H described in Table 2 of § 176.170 (c) of this chapter.

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APPOLO-1577 (FLK)

10. HAZARD CLASSIFICATION : Non Hazardous material.



Irritant

11. CAPACITY : 80 MT Per Year.

12. STORAGE CONDITION : Stored in closed container at ambient temperature. Avoid direct sunlight.

13. PACKING DETAILS

: **Big Jumbo Bag**

Bag Capacity 500 kg and Net Wt. 300 kg

1 Bag of 300 kg on One Pallet

Corrugated Boxes (7 Ply)

Size = 360 X 360 X 480 mm

Net Quantity per box = 20 kgs

Inner Packing double plastic liner inside

18 boxes can be placed on wooden pallet (ISPM 15) in 2 tier

(9 Boxes in one tier * 2 tier = 18 Boxes)

Total quantity per pallet = 18*20 = 360 kgs

One 20 feet container load quantity = 360*10 pallets = 3600 kgs

14. SHELF LIFE : 3 years.

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