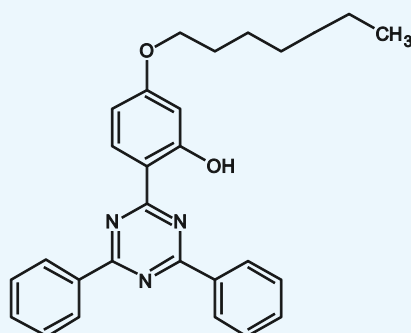


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APPOLO-1577

1. STRUCTURE



2. PRODUCT NAME & DETAILS

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

Product Code	: 002967
CAS No.	: 147315-50-2
HS Code	: 2933.69.90
Molecular formula	: C ₂₇ H ₂₇ N ₃ O ₂
Molecular weight	: 425

3. 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	

4. SPECIFICATION

Physical Appearance	: Yellowish powder
Melting Point	: 148-150 °C
Purity (HPLC)	: NLT 98.5%
Transmittance @ 450nm	: NLT 87.5%
Transmittance @ 500nm	: NLT 98%
Solubility	: Clear Solution

Disclaimer

Typical properties should not be considered as specification.
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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 warranty.

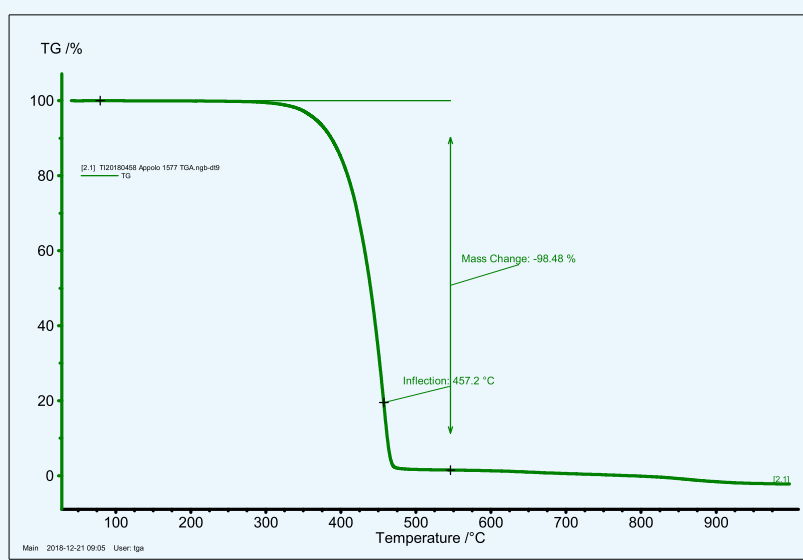


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APPOLO-1577

5. TGA CURVE

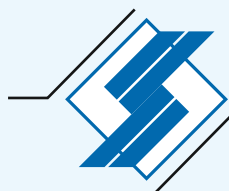


6. APPLICATION

- Appolo-1577 is of high-temperature resistance, low volatility and low precipitation.
- Good compatibility with most polymers, additives and formulation resins.
- Appolo-1577 applications include polyalkene terephthalates and naphthalates, linear and branched polycarbonates, modified polyphenylene ether compounds and various high-performance plastics.
- The use of Appolo-1577 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 formulations in polymers containing catalyst residues.
- Recommend dosage of Appolo-1577: PS 0.2-0.5%, PC 0.15-0.3%, polyolefin 0.2-0.5%, Polyester 0.3-0.5%.

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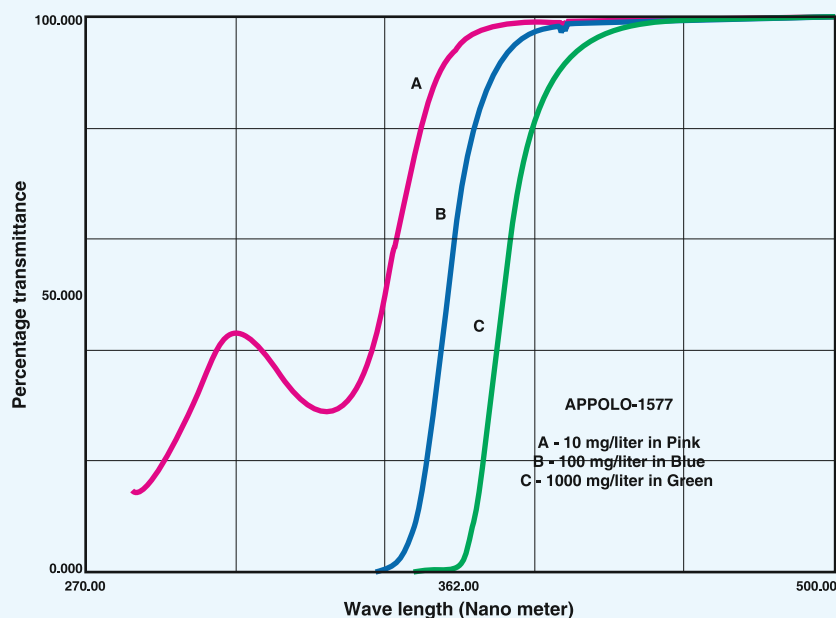


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APPOLO-1577

7. APPOLO-1577 : SPECTRAL TRANSMISSION



8. 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.

9. HAZARD CLASSIFICATION : Non Hazardous material.

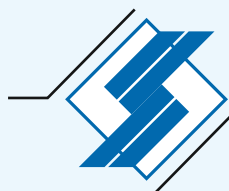


Irritant

10. ANNUAL CAPACITY : 200 MT.

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APPOLO-1577

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

12. PACKING DETAILS : Big Jumbo Bag : Bag Capacity 500 kg and Net Wt. 360 kg
1 Bag of 360 kg on One Pallet
20 kg Corrugated Box Pallet and Net Wt. 360 kg

13. SHELF LIFE : 3 years.

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