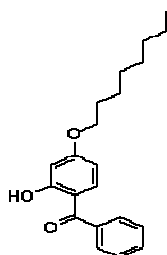


Product Data Sheet

Omnistab BP 12

| | |
|----------------------------|--|
| CAS No | : 1843-05-6 |
| Chemical name | : 2-hydroxy-4-(octyloxy)benzophenone |
| Molecular formula | : C ₂₁ H ₂₆ O ₃ |
| Molecular weight | : 326.43 |
| Molecular structure | : |



Standard specifications

| TEST | SPECIFICATION |
|--|--------------------------------|
| Appearance | Pale yellow crystalline powder |
| Content (%) | 99.0 min |
| Ash (%) | 0.10 max |
| Volatiles (%) | 0.20 max |
| Melting Point/Range (°C) | 47.0-49.0 |
| Transmittance (%) 460 nm | 95.0 min |
| Transmittance (%) 500 nm | 97.0 min |
| Transmittance (% solution in Toluene) | 10g/100ml |

| | |
|-----------------|-------------------------|
| EC No | : 217-421-2 |
| HS code | : 291450 |
| REACH No | : 17-2119427071-53-0000 |

Characterization / application

Omnistab BP 12 is an ultraviolet light absorber (UVA) of the benzophenone class, imparting good light stability when used in combination with other light absorbers and HALS products. The main application is in combination with a HALS for light stabilization of low density polyethylene, as well as ethylene-vinyl acetate copolymers for agricultural films. It can also be used as a UV barrier to protect the contents of packages for both industrial and consumer applications. In combination with HALS products, it can also be used in high density polyethylene molded articles, e.g. in crates. Omnistab BP 12 also protects a number of other polymers against degradation caused by light exposure, such as plasticized PVC and rubbers. It can be used in combination with antioxidants, phosphates and light stabilizers.