

BELGUARD DHHB

(DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE)



BELGUARD DHHB (Diethylamino Hydroxybenzoyl Hexyl Benzoate) is a UVAI filter that absorbs UV radiation to protect skin from sunburn and cancer. It shows absorptivity at 354 nm. It is an oil soluble UVA filter, having outstanding photo stability. Due to its hydrophobic & oil soluble nature it is particularly used in water repellent & water-resistant formulations. It is used as an UV-A absorbing agent in sunscreen creams, lotions, lipsticks and sun oils. It has good compatibility with all organic UV filters as well as inorganic UV filters. It is soluble in ethanol and in wide range of cosmetic oils.

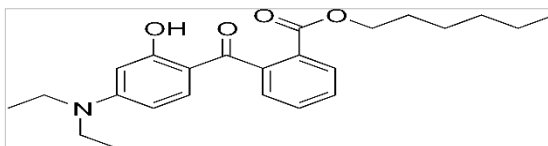
It provides highly effective, photostable protection without generation of free radicals resulting in:

- Effective anti -aging
- Excellent sun protection
- Safer self -tanning

PRODUCT DESCRIPTION:

Product Name : Diethylamino Hydroxybenzoyl Hexyl Benzoate
CAS No : 302776-68-7
EINECS No : 443-860-6
Chemical Name : Hexyl 2-[4-(Diethylamino)-2- hydroxybenzoyl] benzoate
Chemical Formula : C₂₄ H₃₁ N O₄
Molecular Weight : 397 gm /mole

Molecular Structure :

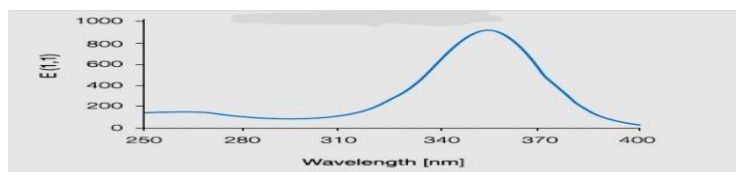


TECHNICAL DATA:-

| Description | Parameter |
|---------------------------------------|---------------------------------------|
| Appearance | White to light salmon coloured powder |
| Odour | Mild Characteristic |
| Assay by HPLC w/w | Min. 98% |
| Color Gardner | 8 Max |
| Specific Absorbance (1%,1cm, @354 nm) | 910-940 |
| Melting Point | ≥53°C |

SPECIFIC TECHNICAL DATA :-

UV spectrum



USE CONCENTRATIONS:-

| Approval Status | EU | China | Australia | USA | Japan |
|--------------------|-----|-------|-----------|-------|-------|
| Max. Amounts (W/W) | 10% | 10% | 10% | ----- | 10% |

MELTING PROCEDURE FOR USE:- Place the drum in the oven at a temperature not to exceed 70°C for about 12 hours. No stirring is necessary.

STORAGE CONDITION :- Store In original sealed containers and in dry conditions at room temperature. Keep away from direct sunlight.

EXPIRY DATE :- 24 Months from the date of manufacturing.

PACKAGING :- 25 kg in Box or as per customer request.