



Elix-SUN A Plus

INCI DIETHYLAMINO HYDROXYBENZOYL
HEXYL BENZOATE

CAS Number 302776-68-7

SPECIFICATIONS

Appearance White to off-white
crystal powder

Purity (HPLC area/357nm) 99.5 % min

Melting Point 54.0 °C min

Identification (UV) 352-356 nm

Specific Extinction
in Ethanol (E1/1cm) 910 - 940

Phthalates (ppm) <0.2

REGULATORY

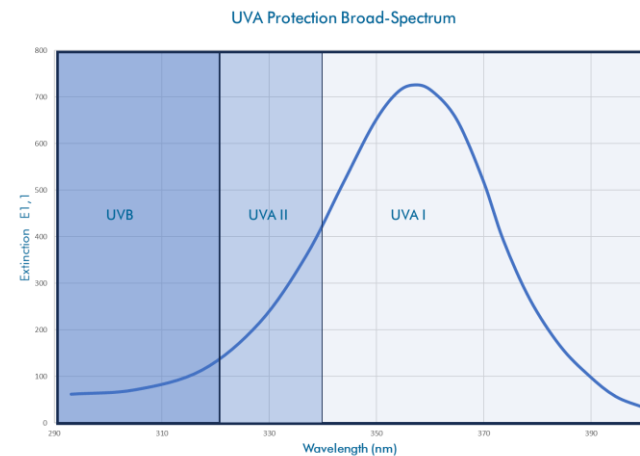
Origin/Nature	Synthetic
Halal	Certified
Kosher	Compliant
Vegan	Compliant

GENERAL INFORMATION

Elix-Sun A Plus is Connect Chemicals' high purity grade of DHHB manufactured in house at their state of the art production facility using the latest technology.

Elix-Sun A Plus is an effective UVA filter and is photostable, providing reliable and long lasting protection.

UVA light represents approximately 95% of total solar UV radiation and can penetrate deep into the layers of the dermis. UVA can stimulate the production of free radicals and although it is responsible for various skin damage such as aging, allergenic reactions, hyperpigmentation, cancer risk, it is often found difficult to provide adequate, reliable and long-lasting UVA protection in cosmetic products.



BENEFITS

- Prevents premature aging and skin damage
- Excellent protection against free radicals
- UVA protection (helps achieve UVA-PF/SPF $\geq 1/3$)
- Reliable and long-lasting protection
- Preservative free

FORMULATION & RECOMMENDATIONS

Elix-Sun A Plus is easy to process due to its low melting point and high solubility in common oils. It has good compatibility with other UV filters (organic or mineral) and cosmetic ingredients.

Recommended concentration

0.5 – 10.0%

Max concentration allowed is 10.0 %

Solubility

Solubility into Triethyl Citrate is excellent.

Solubility into Dicaprylyl Carbonate and C12-15 Alkyl Benzoate is good.

APPLICATIONS

- Sun care
- Skin care
- Make up
- Baby care

SHELF LIFE

Under proper storage conditions shelf life is 36 months.

Packaging

25 kg bags

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