



# 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)** 910-980

**Phthalates (ppm)** <0.5

## REGULATORY

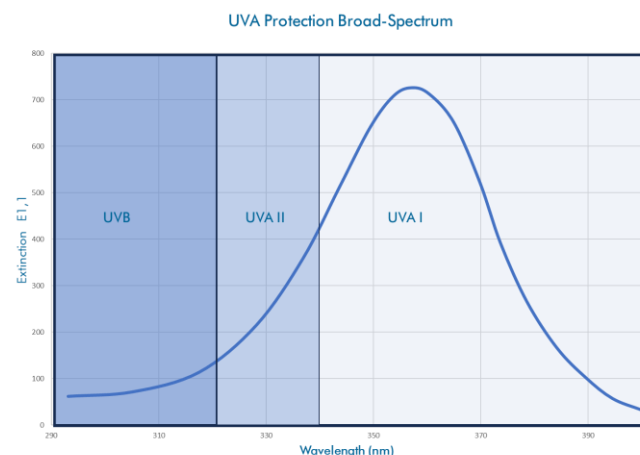
Origin/Nature	Synthetic
Halal	Certified
Kosher	Compliant
Vegan	Compliant

## 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 21/3)
- 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

cosmetics.connectchemicals.com | cosmetics@connectchemicals.com

