



TECHNICAL DATA SHEET

Product Name: Diethylhexyl Butamido Triazone

Alisa: HEB ;4,6-Bis[4-(2-ethylhexyloxycarbonyl)anilino]-2-[4-(tert-butylaminocarbonyl)anilino]-1,3,5-triazine

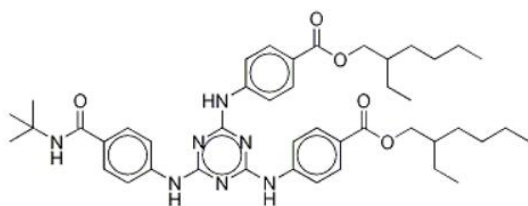
CAS No: 154702-15-5

EINECS No: 421-450-8

MF: C₄₄H₅₉N₇O₅

MW: 765.98

Structure:



Property: It's an effective UV-B sunscreen very soluble in cosmetic oils. Due to its high specific extinction and its excellent solubility is much more efficient than currently available UV filters.

Specification:

Test Item	Test Specification
Appearance	Off-white powder
Odor	Faintly characteristic
Melting Point	92.0°C -102.0°C
Specific Extinction (at 311nm in ethanol)	≥1470
Loss on Drying	≤ 0.5%
Purity (HPLC)	≥ 97.0%

Application:

1. The component is novel UV absorbent, high absorption rate is alcohol soluble and oil soluble UVB absorbent, absorption wavelength range of 280 -- 320nm.
2. It has good compatibility with grease components, and has beneficial sunscreen effect. It is often added to suntan oil, and the added content of this component should not exceed 10%.
3. For example, a sun protection O/W emulsion containing 2% of HEB shows a SPF of 4 against a SPF of 2.5 obtained with an equal amount of Octyl Methoxycinnamate.



4. HEB can be used in every cosmetic formulation. containing a suitable lipidic phase, alone or in combination with one or more UV filters, such as: Homosalate, BP-3, Avobenzone , Octocrylene , OMC , UVA PLUS.,etc .
5. HEB can be dissolved in most cosmetic oils at very high concentration. To improve dissolution rate, we suggest to heat the oil phase up to 70-80°C and add HEB slowly under fast agitation.

Package: NW 25kg / fibre drum

Storage condition: Keep container tightly closed and dry and storage in cool place.

Shelf life: 2 years

BJM