

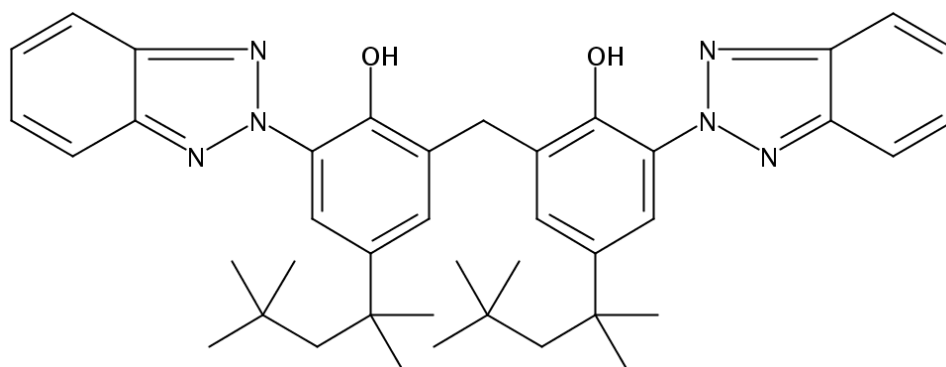
AakoSun MBBT

Methylene Bis-Benzotriazolyl Tetramethylbutylphenol

Description

AakoSun MBBT is a highly efficient particulate organic broad-spectrum UV A and UV B absorber, scatterer and reflector. AakoSun MBBT is a stable dispersion in water and can be easily incorporated in the water phase of emulsions. Very small amounts are required to achieve a high SPF and UVAPF values. AakoSun MBBT can be used in combination with other organic and inorganic UV filters and will boost the efficacy of the total formulation.

▪ Chemical name	Phenol, 2,2'-methylenebis[6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)-
▪ INCI/USAN name	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol, Aqua, Decyl Glucoside, Propylene Glycol, Xanthan Gum / Bisoctrizole
▪ CAS number	103597-45-1 (and) 7732-18-5 (and) 54549-25-6 (and) 57-55-6 (and) 11138-66-2
▪ Formula	C ₄₁ H ₅₀ N ₆ O ₂ MW 658.87 g/mol
▪ UV A & B absorber	Aqueous dispersion



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Typical properties

Appearance	White viscous dispersion
Odour	trace characteristic
Density	1.09 – 1.12 g/mL
Absorbance (40 mg/L, 346nm, 10 mm)	0.936 – 1.014
Absorption 1% /1 cm	234 – 254
Active substance	48.0 – 52.0
Viscosity, IKA/Brookfield	
Spindel 03 at 2.0 rpm (Pas)	20 – 60
Dry content	55.5 – 59.5
pH	11.5-12.5

Regulatory Status:

EU 10 % Max. (20% as dispersion)

Regulation (EC) No 1223/2009 Annex VI entry 23

Storage:

Must be stored in closed containers in dry cool conditions. Minimum shelf life of 2 years under appropriate conditions of storage.

