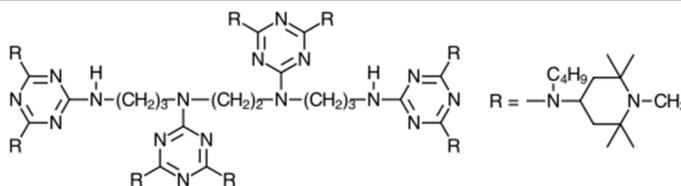


SABOSTAB® UV 119

Hindered amine light stabilizer (HALS) for plastics and coatings

COMPOSITION

Chemical structure
(main component)



Chemical name
(main component)

1,3,5-Triazine-2,4,6-triamine, N₂,N₂'-1,2-ethanediylbis[N₂-[3-[[4,6-bis[butyl(1,2,2,6,6-pentamethyl-4-piperidiny]amino]-1,3,5-triazin-2-yl]amino]propyl]-N',N''-dibutyl-N',N''-bis(1,2,2,6,6-pentamethyl-4-piperidinyl)-

CAS number

106990-43-6

TYPICAL PROPERTIES

Appearance	Slightly yellow beads
Molecular weight	2286
Melting range	115-150°C
Bulk density	600-630 kg/m ³
Particle size	D ₅₀ = 2.5 mm

FEATURES

- Tertiary amine HALS having reduced interaction with agricultural chemicals, fillers, pigments, and other additives as compared to conventional HALS
- Provides outstanding thermal oxidative stability as well as light stability in polyolefins, particularly in talc-filled PP and TPO
- Non-discoloring, low volatility and excellent resistance to migration
- Dust free pastilles product form

APPLICATIONS

SABOSTAB® UV 119 is a highly effective light stabilizer in a broad range of polymers and applications, including polyolefins (PE, PP), TPO, styrenic polymers (ABS, ASA), polyamide fibers, polyurethanes, and elastomers. The advantages of the product render it particularly useful in PE-based agricultural films, PP fibers, and talc-filled PP and TPO automotive compounds. It is also recommended for use in powder coatings where it contributes to the triboelectric effect as well as providing excellent light stability.

Polymer Additives

GUIDELINES FOR USE

Typical addition levels for SABOSTAB® UV 119 range from 0.05-1%, depending upon the application. The product shows a performance synergy with other light stabilizers, including low molecular weight HALS (e.g. SABOSTAB® UV 70, SABOSTAB® UV 91), high molecular weight HALS (especially SABOSTAB® UV 62), and UV absorbers. The exact level to be used in any application should be determined in an appropriate testing program.

VOLATILITY (TGA weight loss temperatures, 20°C/min, in air)

1%	335°C
5%	378°C
10%	395°C

SOLUBILITY DATA (g/100 g solution, 20°C)

Acetone	2	<i>n</i> -Hexane	1
Chloroform	20	Methanol	1
Ethanol	5	Toluene	25
Ethyl acetate	1	Water	<0.01

PACKAGING

20 kg PE bag (600 kg per pallet) or 600 kg super sack; pallet type CP3

HANDLING & STORAGE

Please consult the Safety Data Sheet prior to handling or using this product.

If properly stored in a dry place at temperatures below 25°C, SABO® STAB UV 119 remains within the specification limits for at least 5 years.

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