

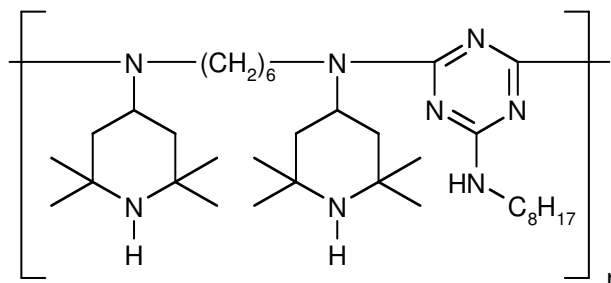
SABO® STAB UV 94

Hindered amine light stabilizer (HALS) for plastics

Plastic Additives

COMPOSITION

Chemical structure



Chemical name

1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidiny)-, polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with 2,4,4-trimethyl-2-pentanamine

CAS number

71878-19-8
 70624-18-9 (USA)

TYPICAL PROPERTIES

Appearance	Colorless to light yellowish pastilles
Bulk density	530-590 kg/m ³
Molecular weight	2000-3100 g/mol
Softening range	100-135°C
Average particle size	1 mm

FEATURES

- Excellent light stabilization performance in polyolefins (thin- and thick-section)
- Contributes to the thermal oxidative stability of polyolefins
- Low volatility and excellent resistance to migration
- Extensive food contact clearances

APPLICATIONS

SABO® STAB UV 94 is a polymeric hindered amine light stabilizer (HALS) which is effective in a broad range of polymers and applications. The product is particularly useful in PE applications (injection molding, film, and tape), PP (injection molding, film, and fibers), TPO, polyamide fibers, flexible and rigid PVC, styrenic TPE's, polyurethanes, and specialty adhesive applications. It is also suitable for use in xylene XLDPE.

GUIDELINES FOR USE

Typical addition levels for SABO®STAB UV 94 range from 0.05-1%, depending upon the application. The exact level to be used in any particular application should be determined in an appropriate testing program.

The product shows a performance synergy with other light stabilizers, including low molecular weight HALS (e.g. SABO®STAB UV 70, SABO®STAB UV 91), high molecular weight HALS (especially SABO®STAB UV 62), benzoates, and UV absorbers.

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

Acetone	>50	n-Hexane	41
Chloroform	>30	Methanol	3
Ethanol	<0.1	Toluene	>50
Ethyl acetate	>50	Water	<0.01

PACKAGING

25 kg PE bag (500 kg to pallet) or 500 kg BULK Bag; 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 94 remains within the specification limits for at least 5 years.

REGISTRATIONS

SABO®STAB UV 94 is listed on the following national chemical inventories:

AICS (Australia)	IECSC (China)
DSL (Canada)	NZIoC (New Zealand)
ECL (Korea)	PICCS (Philippines)
ENCS (Japan)	TSCA (USA)

This product has been cleared in the EU, USA, and other countries for use in plastic materials and articles intended to come in contact with food. Please contact your Sabo representative for further information.

Additional information on SABO®STAB UV 94 is available on request from your Sabo representative, including compliance with norms and regulations in the EU, USA, and other countries.

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