

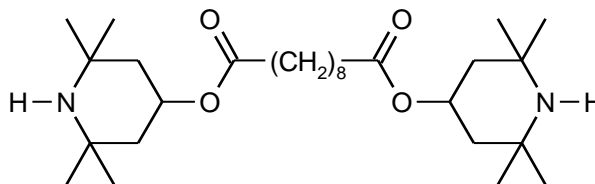
SABO[®] STAB UV 70

Hindered amine light stabilizer (HALS) for plastics

Plastic Additives

COMPOSITION

Chemical structure



Chemical name

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

CAS number

52829-07-9

TYPICAL PROPERTIES

Appearance	White granules
Assay (GC)	>98%
Bulk density	550 kg/m ³
Melting range	81-85°C
Solution transmission	>98% at 425 nm (10% in toluene)
Average particle size	0.6 mm

FEATURES

- Excellent light stabilization performance in thick-section applications
- Non-discoloring
- Granular, low-dusting product form

APPLICATIONS

SABO[®] STAB UV 70 is a low molecular hindered amine light stabilizer (HALS) which is effective in a broad range of polymers, particularly in thick-section applications. The product is particularly useful in PP, TPO, styrenic polymers (HIPS, SAN, ABS, ASA), polyamides, polyurethanes, polyacetals, acrylics, elastomers, adhesives, and sealants. It is also suitable for use in thin section applications such as PP film and tapes.

GUIDELINES FOR USE

Typical addition levels for SABO[®] STAB UV 70 range from 0.05-0.6%, depending upon the application. The exact level to be used in any particular application should be determined in an appropriate testing program.

The product often shows a performance synergy with other light stabilizers, especially high molecular weight HALS (e.g. SABO[®] STAB UV 94, SABO[®] STAB UV 119), benzoates (SABO[®] STAB UV 37), and UV absorbers.

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

Acetone	47	<i>n</i> -Hexane	0.3
Chloroform	71	Methanol	0.9
Ethanol	1.5	Toluene	60
Ethyl acetate	47	Water	<0.01

PACKAGING

25 kg PE bag (500 kg to pallet); 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 70 remains within the specification limits for at least 5 years.

REGISTRATIONS

SABO®STAB UV 70 is listed on the following national chemical inventories:

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

This product is cleared in some 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 70 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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