

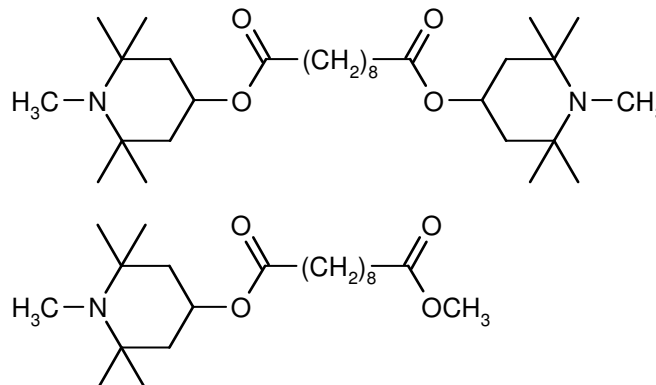
SABO® STAB UV 65

Hindered amine light stabilizer (HALS) for plastics and coatings

Plastic Additives

COMPOSITION

Chemical structures



Chemical names

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
 Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

CAS numbers

41556-26-7
 82919-37-7

TYPICAL PROPERTIES

Appearance	Slightly yellow viscous liquid
Color (HAZEN)	<120
Freezing point	<0°C
Specific gravity	0.99

FEATURES

- Excellent light stabilization performance in plastics and coatings
- Stable liquid product form

APPLICATIONS

SABO® STAB UV 65 is a low molecular hindered amine light stabilizer (HALS) which is effective in a broad range of plastics and coatings. Plastic applications include polyurethanes, flexible PVC, styrenic polymers (ABS, ASA), acrylics, unsaturated polyesters, elastomers, adhesives, and sealants. The product is also ideal for use in plastisols and liquid masterbatches for plastics.

Coatings applications include refinish coatings, industrial coatings, coil coatings, wood coatings, trade sale paints, and radiation curable acrylics. The product is suitable for use in both water- and solvent-based coating systems.

GUIDELINES FOR USE

Typical addition levels for SABO®STAB UV 65 in plastics range from 0.05-0.5%, depending upon the application. The product often shows a performance synergy with UV absorbers. In coatings applications, typical addition levels range from 0.5-2.0% alone or in combination with 1.0-3.0% UV absorber (*e.g.* SABO®STAB UV 13 or SABO®STAB UV 312). All concentrations are based on percent by weight of coating resin solids. The exact level to be used in any particular application should be determined in an appropriate testing program.

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

Acetone	>50	<i>n</i> -Hexane	>50
Chloroform	>50	Methanol	>50
Ethanol	>50	Toluene	>50
Ethyl acetate	>50	Water	<0.01

PACKAGING

200 kg net in inner coated steel drums (800 kg to pallet) or 1000 kg in an IBC container

Pallet type : CP 3

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 65 remains within the specification limits for at least 5 years.

Under 15°C the product tends to crystallize. It can easily be remelted by heating at 70°C.

REGISTRATIONS

The components of SABO®STAB UV 65 are 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 has not been cleared for use in plastic materials and articles intended to come in contact with food.

Additional information on SABO® STAB UV 65 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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