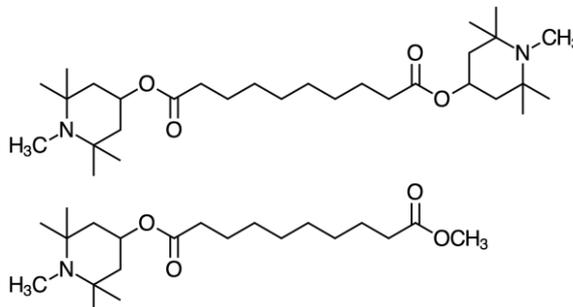


SABOSTAB® UV 65

Hindered amine light stabilizer (HALS) for plastics and coatings

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
 1065336-91-5 (REACH)

TYPICAL PROPERTIES

Appearance	Slightly yellow viscous liquid
Molecular weight	508 and 370
Freezing point	< 0°C
Specific gravity	0.99 g/cm ³

FEATURES

- Excellent light stabilization performance in plastics and coatings to prevent color change, gloss reduction, cracking or blistering.
- Stable liquid product form

APPLICATIONS

SABOSTAB® UV 65 is an effective light stabilizer in a broad range of plastic and coating applications. 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. Coating applications include automotive coatings, industrial coatings, radiation curable coatings, wood stains; the product is miscible at > 50% with most used solvents; dispersion in water borne coatings is doable by dilution with water miscible solvents.

GUIDELINES FOR USE

Typical addition levels for SABOSTAB® UV 65 in plastics range from 0.05-0.5%, depending on the application. In adhesives, sealants and coatings applications, typical addition levels range from 0.5-3.0% alone (high pigmentation) or in combination with 0.5-1.5% (Low or no pigmentation) UV absorber. The exact level to be used in any application should be

Polymer Additives

determined in an appropriate testing program. Interactions with acid paint ingredients (acid catalysed) should be evaluated.

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

1%	225°C
5%	260°C
10%	275°C

DYNAMIC VISCOSITY

20°C	350 mPa s
50°C	75 mPa s
70°C	30 mPa s

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 per pallet); 50 kg net in inner coated steel drums (450 kg per pallet); 25 kg net in PE containers (800 kg per pallet), pallet type CP3; or 1000 kg in an IBC container.

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, SABOSTAB® UV 65 remains within the specification limits for at least 5 years.

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

The information and data contained in this document have been set up to Sabo's best knowledge. Data and results are based on controlled or lab work and must be confirmed by the customer by testing for its intended conditions of use. Nothing herein shall be construed as a representation or warranty, express or implied, in particular not as to the merchantability, fitness for a particular purpose or any other matter with respect to the Sabo products. The Sabo products are manufactured for sale to customers for use in a wide range of applications. The customer remains responsible for determining whether or not the Sabo products purchased by the customer are suitable to the applications intended by the customer. Any advice or recommendation of use or application of any of the Sabo products shall be considered as non-binding and voluntary advice. Unless explicitly agreed otherwise between Sabo and the customer, Sabo shall not, under any circumstances, be liable for any incidental, indirect, special, consequential, exemplary or punitive damages as well as for damages based on loss of use, lost production, cost of capital, loss of goodwill, loss of contract, lost revenues, loss of profit or loss of business incurred, suffered or paid by the customer and all other persons.