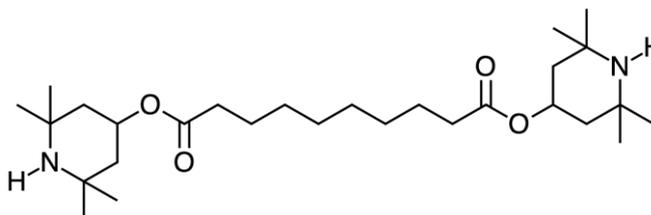


# SABOSTAB® UV 70

Hindered amine light stabilizer (HALS) for plastics

## COMPOSITION

Chemical structure



Chemical name Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate  
CAS number 52829-07-9

## TYPICAL PROPERTIES

Appearance	White granules
Molecular weight	481 g/mol
Melting range	81-85°C
Bulk density	540-560 kg/m <sup>3</sup>
Particle size	D <sub>50</sub> = 0.79 mm

## FEATURES

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

## APPLICATIONS

SABOSTAB® UV 70 is an effective light stabilizer in a broad range of polymers, especially in thick-section applications, and 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 SABOSTAB® UV 70 range from 0.05-0.6%, depending upon the application. The exact level to be used in any 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. SABOSTAB® UV 94, SABOSTAB® UV 119), benzoates (SABOSTAB® UV 37), and UV absorbers.

Polymer Additives

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

1%	200°C
5%	245°C
10%	270°C

**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 per pallet) or 500 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, SABOSTAB® UV 70 remains within the specification limits for at least 5 years.

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