

# PowerStab™ 292

*New Materials Creating New Performances*

**Quality Products.  
Dependable Service.**

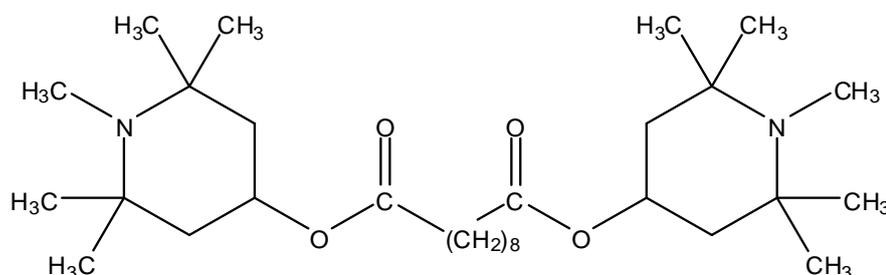
## Chemical Name

Bis(1,2,2,6,6-pentamethyl-4-piperidinyloxy)-sebacate and

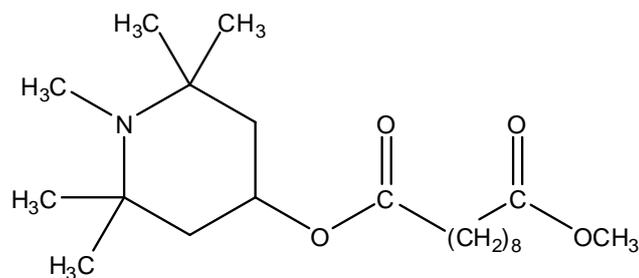
1-(Methyl)-8-(1,2,2,6,6-pentamethyl-4-piperidinyloxy)-sebacate

## Chemical Structure

41556-26-7:



82919-37-7:



## Introduction

PowerStab™ 292 is a low molecular hindered amine light stabilizer (HALS) which is effective in a broad range of plastics and coatings. It has excellent light stabilization performance in plastics and coatings and stable liquid product form.

## Physical Properties

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CAS No.	41556-26-7, 82919-37-7
EC No.	255-437-1, 280-060-4
Formula	C <sub>30</sub> H <sub>56</sub> N <sub>2</sub> O <sub>4</sub> , C <sub>21</sub> H <sub>39</sub> NO <sub>4</sub>
Molecular Weight	509/370
Specific Gravity <sub>[20°C, g/cm<sup>3</sup>]</sub>	0.99
Color of solution 425nm(%)	Min.94
Color of solution 500nm(%)	Min.96
Appearance	Light Yellow Viscous Liquid
Ash(%)	Max.0.1
Min. Total Purity	96%
<hr/>	
Solubility (20°C)	% w/w
Butylcarbitol	>50
Butanol	>50
Butylacetate	>50
Depanol J <sup>1)</sup>	>50
Ethylglycol	>50
Hexanedioldiacrylate	>50
1-Methoxypropylacetate-2	>50
Methylethylketone	>50
Trimethylolpropanetriacrylate	>50
Xylene	>50
Water	<0.01

## Applications

PowerStab™ 292 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

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in both water- and solvent-based coating systems.

## Handling and Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

## Packing

PowerStab™ 292 is supplied in 25kg net/plastic drum.

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