

PowerStab™ 292 HALS UV Stabilizers

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.

Chemical Name

Bis(1,2,2,6,6-pentamethyl-4-piperidiny)-sebacate and 1-(Methyl)-8-(1,2,2,6,6-pentamethyl-4-piperidiny)-sebacate

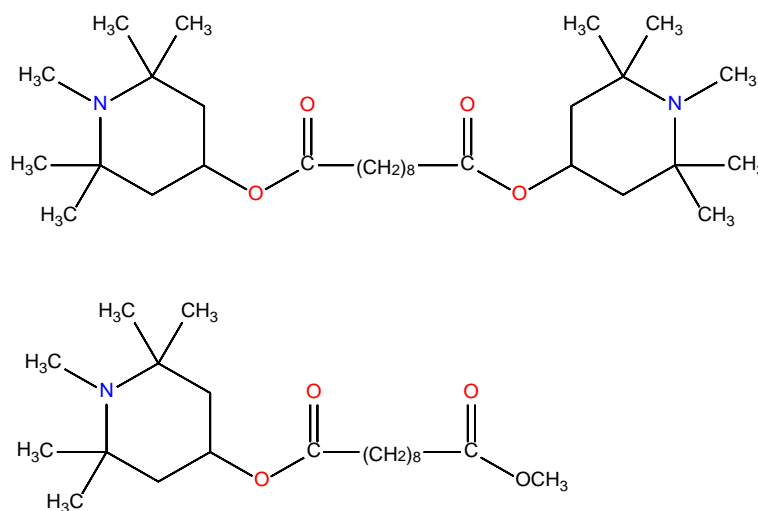
CAS Number

41556-26-7, 82919-37-7

EINECS Number

255-437-1, 280-060-4

Chemical Structure



Chemical Formula

$C_{30}H_{56}N_2O_4$, $C_{21}H_{39}NO_4$

Molecular Weight

509/370

Physical Properties

Appearance	Light Yellow Viscous Liquid
Specific Gravity [20°C, g/cm ³]	0.99
Color of solution 425nm (%)	Min.94
Color of solution 500nm (%)	Min.96
Ash (%)	Max.0.1

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Purity (%)	Min.96
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Solubility

Solubility [20°C]	% w/w
Butyl carbitol	>50
Butanol	>50
Butyl acetate	>50
Depanol J1)	>50
Ethyl glycol	>50
Hexanediol diacrylate	>50
1-Methoxypropylacetate-2	>50
Methylethylketone	>50
Trimethylolpropanetriacrylate	>50
Xylene	>50
Water	<0.01

Benefits & 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 plastisol 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.

Handling & 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



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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.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.