

PowerStab™ 144 HALS UV Stabilizers

Introduction

PowerStab™ 144 is one of hindered amine light stabilizers (HALS), which protect against ultraviolet radiation. It has good solubility and good compatibility, high temperature and ambient temperature.

Chemical Name

Bis(1,2,2,6,6-pentamethyl-4-piperidiny)-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]butylmalonate

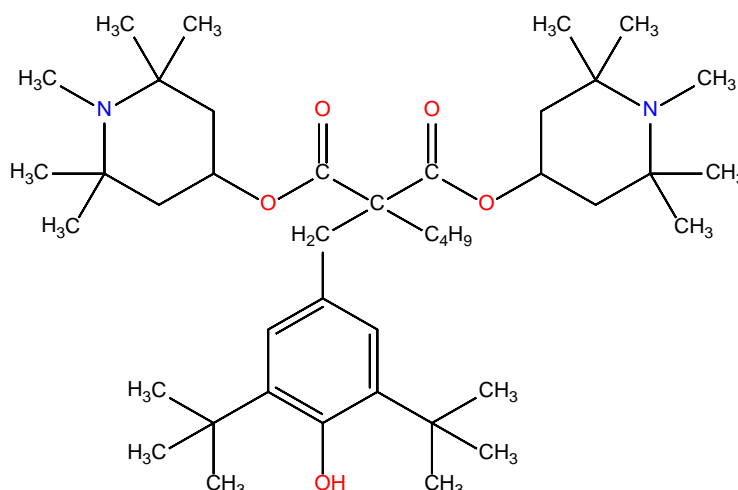
CAS Number

63843-89-0

EINECS Number

264-513-3

Chemical Structure



Chemical Formula

C₄₂H₇₂N₂O₅

Molecular Weight

685

Physical Properties

Appearance	White to slightly yellow powder
Melting Point (°C)	146-150
Boiling Point (°C)	Min.300
Volatiles (%)	Max.0.5
Color of solution 425nm (%)	Min.95
Color of solution 500nm (%)	Min.97
Purity (%)	Min.98

PowerStab™ 144 HALS UV Stabilizers

Solubility

Solubility [20°C]	% w/w
MEK	9
Butanol	2.5
Butyl acetate	10
Xylene	10
Water	<0.01

Benefits & Applications

PowerStab™ 144 is especially suitable for systems that require high temperature curing powder coatings and coil coatings, automotive coatings.

PowerStab™ 144 has a hindered phenol type of anti-oxidant moiety, which provides the light stabilizer an extended life.

PowerStab™ 144 is highly effective in reducing coating defects like cracking and gloss loss.

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 life. Keep containers sealed when not in use.

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

Packing

PowerStab™ 144 is supplied in net weight 20kg fiber drum with PE liner.

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.



PowerStab™ 144 HALS UV Stabilizers

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.