

# PowerStab™ 123 HALS UV Stabilizers

## Introduction

PowerStab™ 123 is a highly efficient acidic liquid hinder amine type light stabilizer designed specifically for coating systems which contain acidic components or need to exposure to acidic environments.

## Chemical Name

Bis(1-octyloxy-2,2,6,6-tetramethyl-4-piperidyl)sebacate

Synonym:

Bis(2,2,4,4-Tetramethyl-1-Octyloxypiperidine)Sebacate

Decanedioic acid, bis(2,2,6,6-tetramethyl-1-(octyloxy)-4-piperidinyl) ester

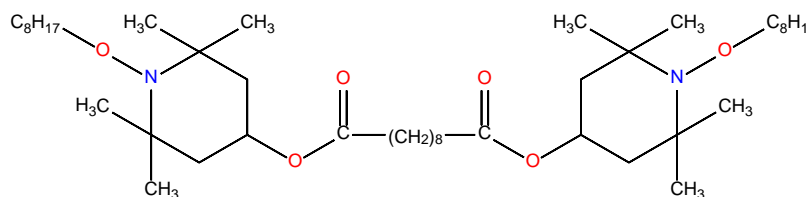
## CAS Number

129757-67-1

## EINECS Number

406-750-9

## Chemical Structure



## Chemical Formula

C<sub>46</sub>H<sub>88</sub>N<sub>2</sub>O<sub>6</sub>

## Molecular Weight

737 (average)

## Physical Properties

Appearance	White Crystalline granular
Specific Gravity (20°C)	0.97
Vapor Pressure [25°C, Pa]	Max.0.001
Melting Point (°C)	Max.-30
Boiling Point (°C)	365
Flash Point [DIN 51584, °C]	Min.150
Viscosity [20°C, Pa•s]	3
Viscosity [40°C, Pa•s]	0.7
Volatiles (%)	Max.1
Color of Solution 425nm (%)	95
Color of Solution 450nm (%)	96

## PowerStab™ 123 HALS UV Stabilizers

Color of Solution 500nm (%)	97
Ash (%)	Max.0.1
Purity (%)	Min.96

### Solubility

Solubility [20°C]	% w/w
Butanol	>50
Butyl acetate	>50
Ethyl glycol	>50
MEK	>50
Xylene	>50
Water	<0.01

### Benefits & Applications

PowerStab™ 123 is a HALS stabilizer based on an amino ether functionality. Its low basicity prevents possible interactions with acidic paint ingredients such as catalysts. Its efficiency provides significant improvement in coatings performance by minimizing paint defects such as cracking and gloss reduction for clear coats as well as chalking for pigmented paints.

### 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™ 123 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



## PowerStab™ 123 HALS UV Stabilizers

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.