

PowerStab™ 123

New Materials Creating New Performances

**Quality Products.
Dependable Service.**

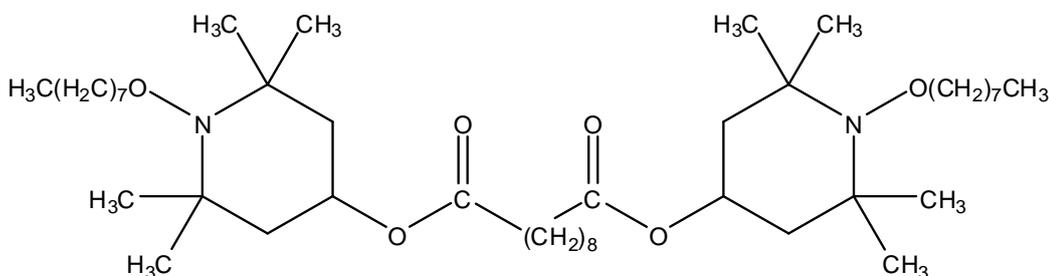
CHEMICAL NAME

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

CHEMICAL STRUCTURE



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.

PHYSICAL PROPERTIES

CAS No.	129757-67-1
EC No.	406-750-9
Formula	C ₄₆ H ₈₈ N ₂ O ₆
Molecular Weight	737(average)
Specific Gravity _[20°C]	0.97
Vapor Pressure _[25°C, Pa]	Max.0.001
Melting Point(°C)	Max.-30
Boiling Point(°C)	365

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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
Color of Solution 500nm (%)	97
Appearance	Pale Yellow Liquid
Ash(%)	Max.0.1
Min. Purity	96%
Solubility (20°C)	% w/w
Butanol	>50
Butyl acetate	>50
Ethyl glycol	>50
MEK	>50
Xylene	>50
Water	<0.01

APPLICATIONS

PowerStab™ 123 is a HALS stabilizer based on an aminoether 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 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

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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.

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