

PowerStab™ 945

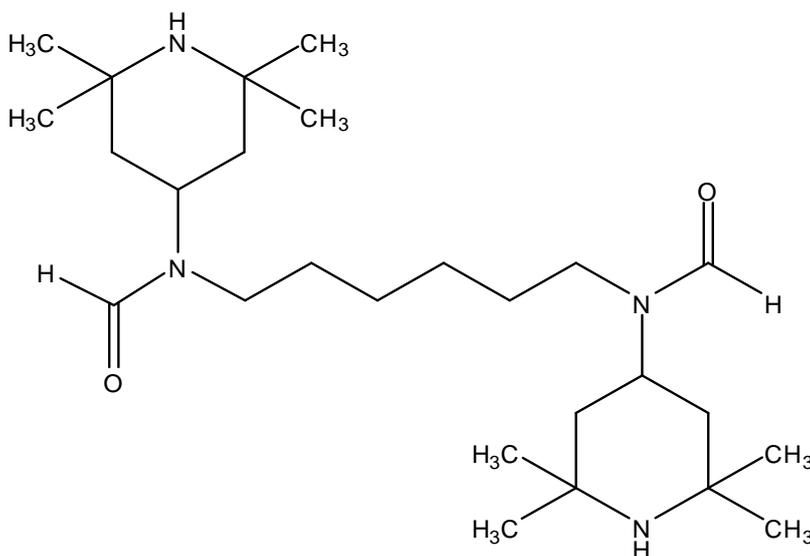
New Materials Creating New Performances

**Quality Products.
Dependable Service.**

CHEMICAL NAME

N,N'-bisformyl-N,N'-bis-(2,2,6,6-tetramethyl-4-piperidiny)-hexamethylenediamine

CHEMICAL STRUCTURE



INTRODUCTION

PowerStab™ 945 shows excellent thermal stability. It is highly compatible with pigments.

PHYSICAL PROPERTIES

CAS No.	124172-53-8
EC No.	413-610-0
Formula	C ₂₆ H ₅₀ N ₄ O ₂
Molecular Weight	450
Density _[20°C, g/cm³]	1.08
Melting Point(°C)	155-160
Volatiles (%)	Max.0.5

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Color of solution 425nm (%)	Min.95
Color of solution 500nm (%)	Min.97
Appearance	White Powder
Ash (%)	Max.0.1

Solubility (20°C)	% w/w
Acetone	0.3
Chloroform	6
Ethyl acetate	0.3
n-Hexane	<0.01
Methanol	11
Methyl ethyl ketone	6
Water	0.5

APPLICATIONS

PowerStab™ 945 is suitable for the stabilization of polyolefins, particularly in thick-walled PP molding and PP fibers, as well as thin film, nylon, ABS, PA and polyesters. Combined with UV absorbers it is also used in PS, ABS and PA.

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

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PowerStab™ 945 is supplied in net weight 25kg fiber drum with PE liner.

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