

PowerStab™ 770

New Materials Creating New Performances

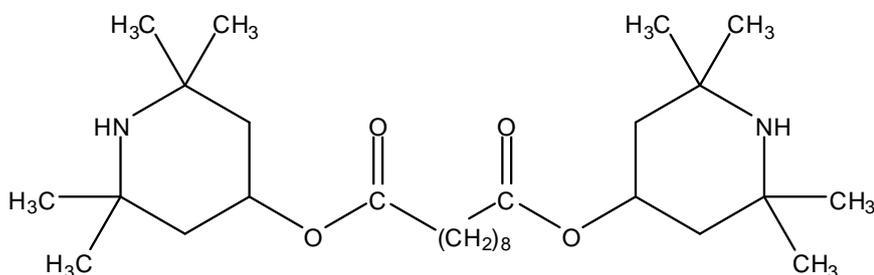
**Quality Products.
Dependable Service.**

Chemical Name

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

Synonym: Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny)l ester

Chemical Structure



Introduction

PowerStab™ 770 is a low molecular weight hindered amine light stabilizer (HALS) for applications demanding particularly high light stability. It provides excellent light stability for thick sections but can also be used for articles with a high surface area such as films and tapes.

Physical Properties

CAS No.	52829-07-9
EC No.	258-207-9
Formula	C ₂₈ H ₅₂ O ₄ N ₂
Molecular Weight	481
Melting range(°C)	81-85
Flashpoint (°C, DIN 51584)	Min.150
Specific gravity [20°C]	1.05
Vapor pressure [20°C, Pa]	1.3E-8
Appearance	White Crystalline Granules

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Solubility (20°C)	% w/w
Acetone	20
Chloroform	90
Dichloromethane	56
Ethyl acetate	20
n-Hexane	4
Methanol	51
Toluene	50
Water	<0.01

Applications

PowerStab™ 770 is recommended to be used in polypropylene, impact modified PP (TPO), EPDM, polystyrene, impact polystyrene, ABS, SAN, ASA, polyurethanes, and is also effective in polyamides and polyacetals.

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

PowerStab™ 770 is supplied in 25kg drum.

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