

PowerNox™ MD1098 Antioxidant

Introduction

PowerNox™ MD1098 is an excellent performance effect metal deactivation and antioxidant upon the thermoplastic resins. PowerNox™ MD1098 is highly effective especially in wire and cable applications used as primary insulation of PP, HDPE, LDPE and other elastomers.

Chemical Name

N,N'-Hexane-1,-6-dihylbis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide))

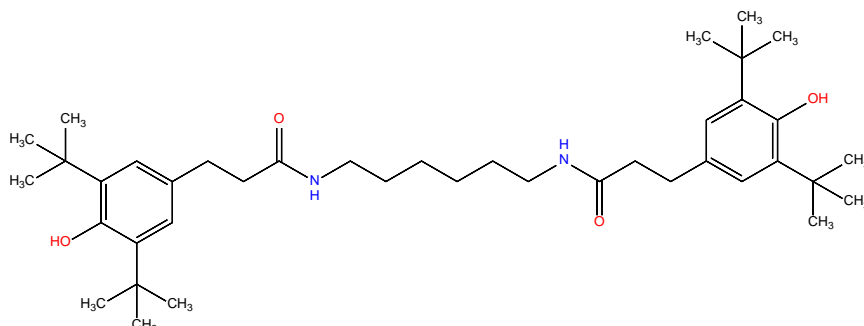
CAS Number

23128-74-7

EINECS Number

245-442-7

Chemical Structure



Chemical Formula

C₄₀H₆₄O₄N₂

Molecular Weight

637

Physical Properties

Appearance	White Crystalline Powder
Melting Point (°C)	156-161
Flash Point	282
Volatile Loss (%)	Max.0.5
Color of Solution 425nm (%)	Min.97
Color of Solution 500nm (%)	Min.98
Ash (%)	Max.0.1
Purity (%)	Min.99

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Solubility

Solubility [20°C]	% w/w
Acetone	2
Benzene	0.01
Chloroform	6
Caprolactam	>20
95% Caprolactam + 5% Water	>20
80% Caprolactam + 20% Water	3
Ethyl acetate	1
n-Hexane	0.01
Methanol	6
Water	<0.01

Benefits & Applications

PowerNox™ MD1098 is an antioxidant for Polyamide fibers, molded articles and films.

PowerNox™ MD1098 can protect polymer color during manufacturing, spinning or thermal fixation.

PowerNox™ MD1098 can protect fiber during the last stages of polymerization or by dry blending on Nylon chips.

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

PowerNox™ MD1098 is supplied in 20Kg Paper Bag, 20Kg PE Bag, 25Kg Carton Box, and 50Kg Fiber Drum.



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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.

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