

# PowerNox™ 1098

*New Materials Creating New Performances*

**Quality Products.  
Dependable Service.**

## CHEMICAL NAME

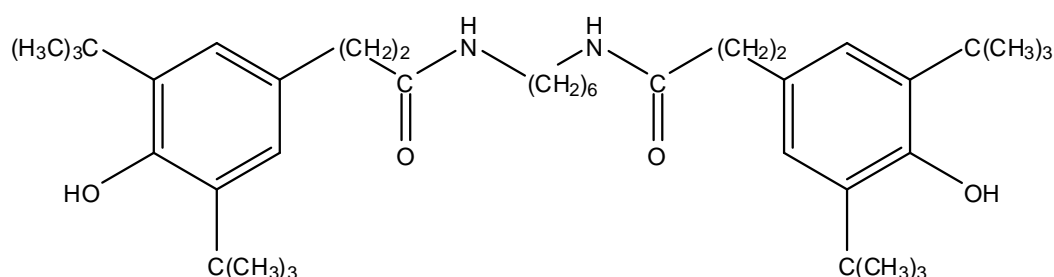
N,N'-Hexamethylenebis(3,5-di-tert-butyl-4-hydroxyhydrocinnamamide)

Synonym:

3,3'-Bis(3,5-di-tert-butyl-4-hydroxyphenyl)-N,N'-hexamethylene dipropionamide

N, N'-hexane-1,6-diybis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide]]

## CHEMICAL STRUCTURE



## INTRODUCTION

PowerNox™ 1098 is an excellent performance effect metal deactivation and antioxidant upon the thermoplastic resins. PowerNox™ 1098 is highly effective especially in wire and cable applications used as primary insulation of PP, HDPE, LDPE and other elastomers.

## PHYSICAL PROPERTIES

CAS No.	23128-74-7
EC No.	245-442-7
Formula	C <sub>40</sub> H <sub>64</sub> O <sub>4</sub> N <sub>2</sub>
Molecular Weight	637
Melting Point(°C)	156-161

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

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

## APPLICATIONS

PowerNox™ 1098 is an antioxidant for Polyamide fibers, molded articles and films.

PowerNox™ 1098 can protect polymer color during manufacturing, spinning or thermal fixation.

PowerNox™ 1098 can protect fiber during the last stages of polymerization or by dry blending on Nylon chips.

## HANDLING AND STORAGE

In accordance with good industrial practice, handle with care and avoid unnecessary

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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™ 1098 is supplied in 20Kg Carton Box, 50Kg Fiber Drum.

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