

PowerNox™ 1024

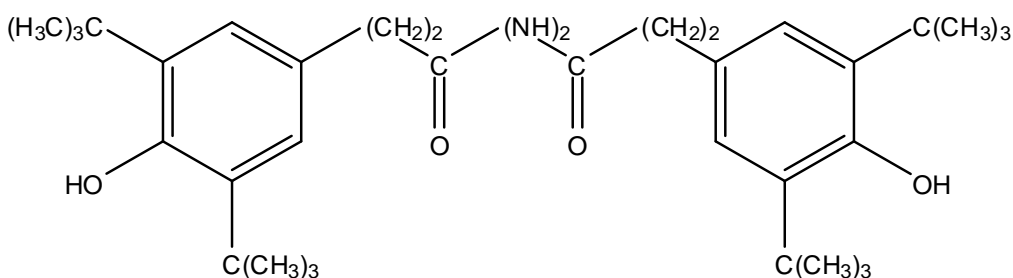
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**Quality Products.
Dependable Service.**

CHEMICAL NAME

2', 3-bis [3-(3, 5-di-tert-butyl-4-hydroxyphenyl) propionyl] propionohydrazide

CHEMICAL STRUCTURE



INTRODUCTION

PowerNox™ 1024 is a metal deactivator and antioxidant for wire and cable, adhesive (both hot melt and solution), and powder coatings applications. It is also an excellent extraction resistant to oil and aqueous media.

PHYSICAL PROPERTIES

CAS No.	32687-78-8
EC No.	251-156-3
Formula	C ₃₄ H ₅₂ N ₂ O ₄
Molecular Weight	553
Melting Point(°C)	221-232
Volatile Loss(%)	Max.0.3
Color of Solution 460nm (%)	Min.98
Color of Solution 500nm (%)	Min.99
Color of Methanol Solution:	Clear(2g in 100mL)
Appearance	White to off-white crystalline powder

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Ash(%)	Max.0.1
Min. Purity	98%

Solubility (20°C)	% w/w
THF	12.0
Acetone	4
Methanol	4
Chloroform	0.4
Methylene Chloride	0.25
Benzene	0.1
n-hexane	<0.01
Paraffin Oil	<0.01
Toluene	<0.01
Water	<0.01

APPLICATIONS

PowerNox™ 1024 is effective in PE, PP, Cross Linked PE, EPDM, Elastomers, Nylon, PU, Polyacetal, and Styrenic copolymers.

PowerNox™ 1024 can be used as the primary antioxidant or can be used in combination with hindered phenolic antioxidants (particularly PowerNox™ 1010) to achieve synergistic performance.

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.

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For more detailed information please refer to the material safety data sheet.

PACKING

PowerNox™ 1024 is supplied in 20kg Paper Bag, 25Kg Carton Box, 50Kg Fiber Drum.

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