

PowerNox™ 2450

New Materials Creating New Performances

**Quality Products.
Dependable Service.**

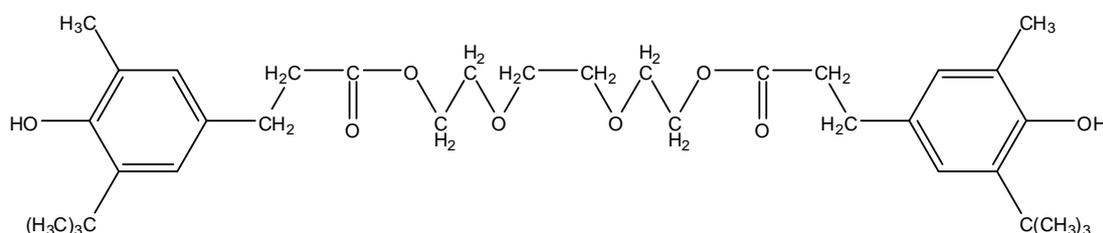
CHEMICAL NAME

Triethylene glycol-bis-3-(3-tert-butyl-4-hydroxy-5-methylphenyl) propionate

Synonym:

Ethylenebis(oxyethylene)bis-(3-(5-tert-butyl-4-hydroxy-m-tolyl)- Propionate)

CHEMICAL STRUCTURE



INTRODUCTION

PowerNox™ 2450 is a primary antioxidant for organic polymers. Chain Stopper in PVC and ABS manufacturing process. It exhibits a synergistic effect when used in combination with thioester antioxidants.

PHYSICAL PROPERTIES

CAS No.	36443-68-2
EC No.	253-039-2
Formula	C ₃₄ H ₅₀ O ₈
Molecular Weight	587
Melting Point(° C)	76-79
Volatile Loss(%)	Max.0.5
Color of Solution 425nm (%)	Min.95
Color of Solution 500nm (%)	Min.97
Appearance	Free-flowing White Powder
Ash(%)	Max.0.1

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Min. Purity	98%
Solubility (20°C)	% w/w
Acetone	>50
Benzene	18
Chloroform	>40
Ethanol	10
Ethyl acetate	37
n-Hexane	<0.1
Methanol	12
Dichloromethane	>40
Toluene	6
Styrene	6
Water	<0.01

APPLICATIONS

PowerNox™ 2450 is a high performance sterically hindered phenolic antioxidant that protects the polymer against thermo-oxidative degradation during the manufacturing processes and in end-use applications.

PowerNox™ 2450 is an effective antioxidant for styrenics, synthetic rubbers, POM homo & copolymer, polyurethanes, polyamides, polyesters, MBS and PVC.

PowerNox™ 2450 is low volatility, good color stability, and extraction resistant.

PowerNox™ 2450 can be used with benzotriazoles or HALS for thermal and light stabilization in outdoor use.

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

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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™ 2450 is supplied in 25Kg Carton Box, 50Kg Fiber Drum, 500Kg Flecon Bag.

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