

# PowerNox™ 1010

*New Materials Creating New Performances*

**Quality Products.  
Dependable Service.**

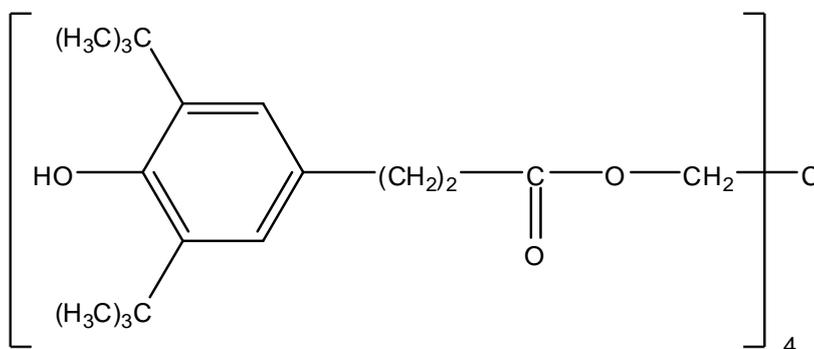
## CHEMICAL NAME

Tetrakis[methylene-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate]  
methane

Synonym:

Pentaerythritoltetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)

## CHEMICAL STRUCTURE



## INTRODUCTION

PowerNox™ 1010 is a primary antioxidant for organic polymers. It exhibits a synergistic effect in combination with PowerNox™ 1680 and other secondary antioxidants.

## PHYSICAL PROPERTIES

CAS No.	6683-19-8
EC No.	229-722-6
Formula	C <sub>73</sub> H <sub>108</sub> O <sub>12</sub>
Molecular Weight	1178
Melting Point(° C)	110-125
Flash Point(° C)	280
Volatile Loss(%)	Max.0.5

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Color of Solution 425nm(%)	Min.95
Color of Solution 500nm(%)	Min.97
Appearance	White Crystalline granular
Ash(%)	Max.0.1
Min. Purity	98%

Solubility (20°C)	% w/w
Acetone	47
Benzene	56
Chloroform	71
Ethanol	1.5
Ethyl acetate	46
n-Hexane	0.3
Methanol	0.9
Dichloromethane	63
Toluene	60
Water	<0.01

## APPLICATIONS

PowerNox™ 1010 is an effective antioxidant for use in polymer processing

- reducing viscosity change and gel formation.

PowerNox™ 1010 provides long term heat stability - protects physical properties during storage and use of end-product.

PowerNox™ 1010 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

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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™ 1010 is supplied in 20Kg Paper Bag, 20Kg PE Bag, 25Kg Carton Box, 50Kg Fiber Drum.

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