

PowerNox™ 1790

New Materials Creating New Performances

**Quality Products.
Dependable Service.**

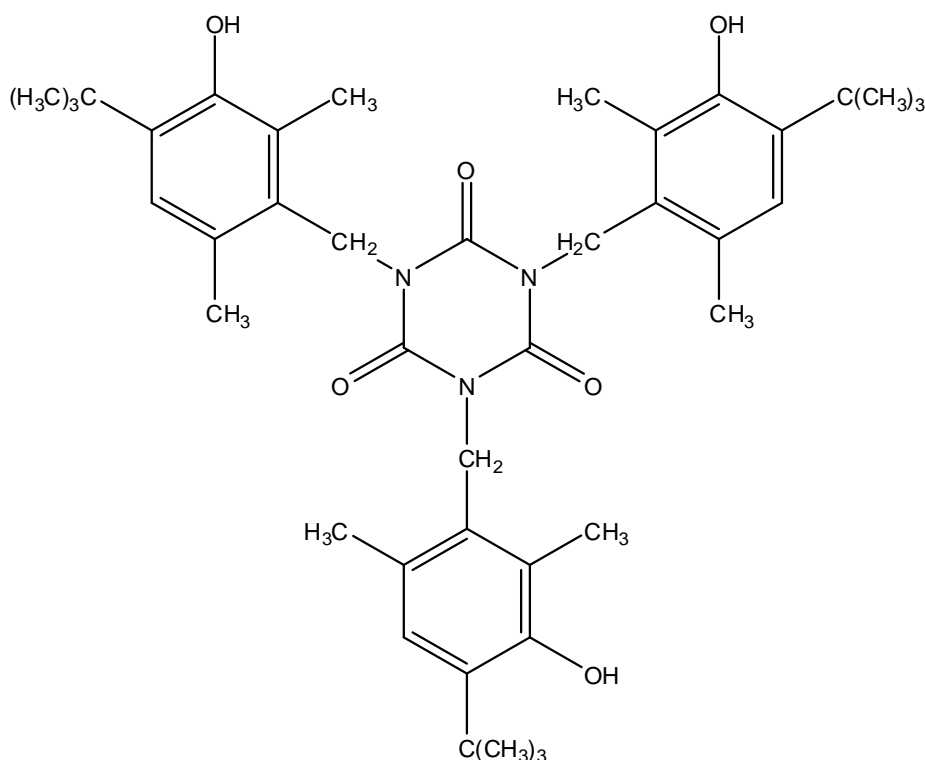
CHEMICAL NAME

1,3,5-Tris(2,6-dimethyl-3-hydroxy-4-tert-butylbenzyl) isocyanurate

Synonym:

1,3,5-Tris(4-tert-butyl-3-hydroxy-2,6-dimethyl benzyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione

CHEMICAL STRUCTURE



INTRODUCTION

PowerNox™ 1790 is a primary antioxidant for organic polymers. PowerNox™ 1790 is a high performance sterically hindered phenolic antioxidant.

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PHYSICAL PROPERTIES

CAS No.	40601-76-1
EC No.	254-996-9
Formula	C ₄₂ H ₅₇ N ₃ O ₆
Molecular Weight	700
Melting Point(°C)	159-162
Flash Point(°C)	276
Volatile Loss(%)	Max.0.5
Appearance	Free-flowing White powder
Color(APHA)	Max.130
Min. Purity	94.5%
Solubility (20°C)	% w/w
Toluene	>10

APPLICATIONS

PowerNox™ 1790 can be used Polyolefin, Polyurethane, Polystyrene, Polyester and Polyamide fiber.

PowerNox™ 1790 can be used with HALS and UVA.

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.

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

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PACKING

PowerNox™ 1790 is supplied in 25Kg Carton Box, 50 kg net/Fiber drum.

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