

PowerNox™ 1790 Phenolic Antioxidant

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

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

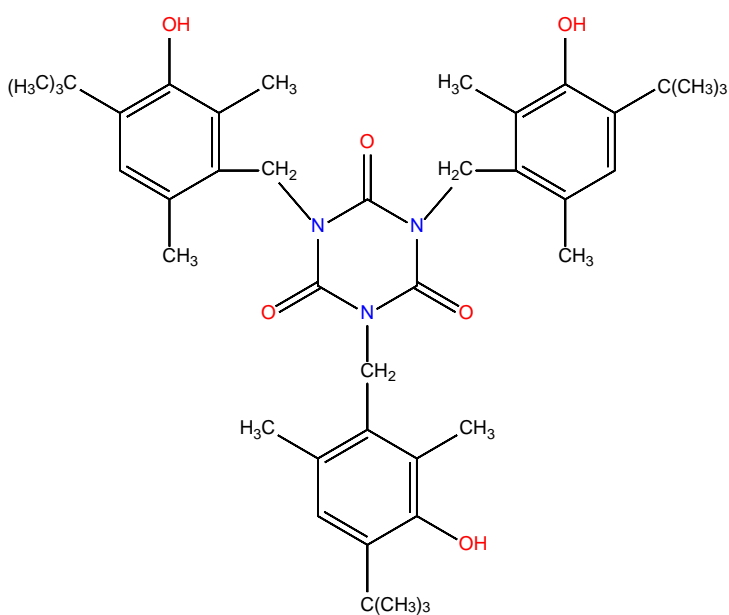
Synonym:

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

CAS Number 40601-76-1

EINECS Number 254-996-9

Chemical Structure



Chemical Formula $C_{42}H_{57}N_3O_6$

Molecular Weight 700

PowerNox™ 1790 Phenolic Antioxidant

Physical Properties

Appearance	Free-flowing White powder
Melting Point [°C]	159-162
Flash Point [°C]	276
Volatile Loss (%)	Max.0.5
Color (APHA)	Max.130
Purity (%)	Min.94.5

Solubility

Solubility [20°C]	% w/w
Toluene	>10

Benefits & Applications

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

PowerNox™ 1790 can be used with HALS and UVA.

Handling & 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.

Packing

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

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

Sustainable Innovation for a Better Future



PowerNox™ 1790 Phenolic Antioxidant

We disclaim liability for any incidental or consequential damages.