

PowerNox™ 3114 Phenolic Antioxidant

Introduction PowerNox™ 3114 is a primary antioxidant for organic polymers. It has low volatility, good color stability, high extraction resistance.

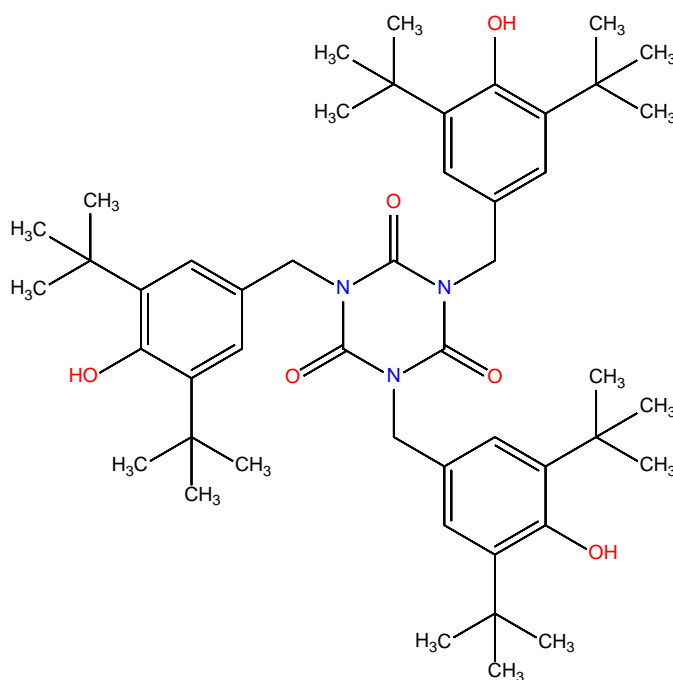
Chemical Name Tris-(3,5-di-tert-butylhydroxybenzyl) isocyanurate

Synonym: 1,3,5-Tris-(3,5-di-tert-butyl-4-hydroxybenzyl)Isocyanate

CAS Number 27676-62-6

EINECS Number 248-597-9

Chemical Structure



Chemical Formula $C_{48}H_{69}N_3O_6$

Molecular Weight 784

PowerNox™ 3114 Phenolic Antioxidant

Physical Properties

Appearance	White Crystalline Powder
Melting Point [°C]	218-223
Flash Point [°C]	289
Volatile loss (%)	Max.0.5
Color of solution 425nm (%)	Min.96
Color of solution 500nm (%)	Min.98
Ash (%)	Max.0.1
Purity (%)	Min.99

Solubility

Solubility [20°C]	% w/w
Acetone	22
Chloroform	32
Ethanol	1.5
n-Hexane	0.1
Methanol	0.5
Water	<0.01

Benefits & Applications

PowerNox™ 3114 is a high performance sterically hindered phenolic antioxidant.

PowerNox™ 3114 is for use in color sensitive applications such as polypropylene fiber.

PowerNox™ 3114 exhibits a synergistic effect when used in combination with phosphite antioxidants such as PowerNox™ 1680 or PowerNox™ 6260.

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



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life. Keep containers sealed when not in use.

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

Packing

PowerNox™ 3114 is supplied in 25Kg 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.

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