

# PowerNox™ 565 Phenolic Antioxidant

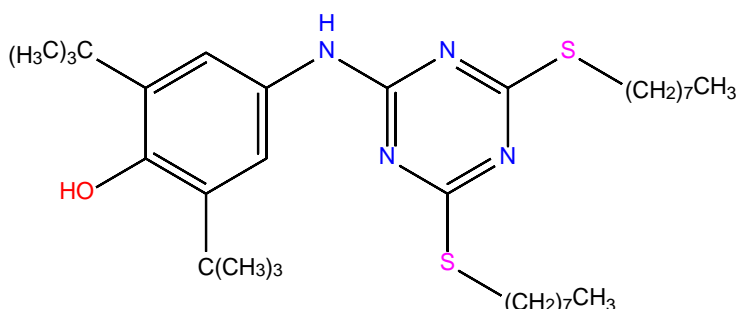
**Introduction** PowerNox™ 565 is a non-staining multifunctional antioxidant with highly effective stabilization for a variety of elastomers including polybutadiene (BR), polyisoprene (IR), emulsion styrene butadiene (SBR).

**Chemical Name** 2,6-di-tert-butyl-4-[[4,6-bis(octylthio)-1,3,5-triazin-2-yl]amino]phenol  
 Synonym:  
 2,4-Bis(octylthio)-6-(4-hydroxy-3,5-di-tert-butylanilino)-1,3,5-triazine

**CAS Number** 991-84-4

**EINECS Number** 213-590-1

**Chemical Structure**



**Chemical Formula**  $C_{33}H_{56}N_4OS_2$

**Molecular Weight** 589

**Physical Properties**

Appearance	White or Slightly Yellow Powder
Melting Point [°C]	91-96
Flash Point [°C]	285
Volatile Loss (%)	Max.0.5
Specific Gravity [20°C]	1.09
Vapor Pressure [20°C, Pa]	1.3E-8
Color of Solution 425nm (%)	Min.95
Color of Solution 500nm (%)	Min.98
Ash (%)	Max.0.1
Purity (%)	Min.99

## PowerNox™ 565 Phenolic Antioxidant

### Solubility

Solubility [20°C]	% w/w
Acetone	20
Benzene	43
Chloroform	39
Ethyl acetate	46
n-Hexane	6
Methanol	1.4
Water	<0.01

### Benefits & Applications

PowerNox™ 565 can be applied in adhesives (hot melt and solvent-based), natural and synthetic tackifier resins, EPDM, ABS, impact polystyrene, polyamides, and polyolefins.

PowerNox™ 565 is highly effective at low concentrations, matching the performance of other stabilizers at higher levels.

PowerNox™ 565 can be used in a wide variety of applications.

### 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™ 565 is supplied in a 50 kg (110.23 pound) fiber drum, net weight, with an inner PE liner or a 25 kg (55.115 pound) Carton with PE liner.

### Note

All information in the leaflet is based on our present knowledge and



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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.

We disclaim liability for any incidental or consequential damages.