

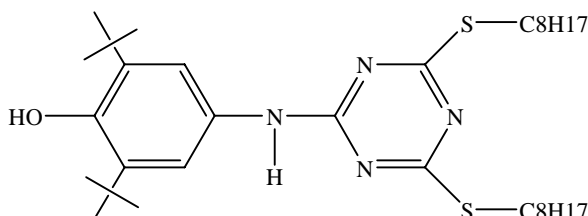
EVERNOX[®]-565

Phenolic Primary Antioxidant for Manufacturing, Processing and Long-Term Thermal Stabilization

Chemical Name 2,6-di-tert-butyl-4-[[4,6-bis(octylthio)-1,3,5-triazin-2-yl]amino]phenol

Formula C₃₃H₅₆N₄OS₂

Structure



Molecular Weight 589 g/mol

CAS Number 991-84-4

Specification	<u>Criterion</u>	<u>Requirement</u>
	Appearance	White to slightly yellow powder
	Transmittance	at 425 nm : 90.0% min at 500 nm : 95.0% min
	Ash	0.1% max
	Volatiles	0.5% max
	Assay	98.0% min

Physical Properties

Melting range (°C)	91-96°C
Flash point (°C)	285
Specific gravity (20°C)	1.09 g/cm ³
Vapor Pressure (20°C)	1.3 E-8 Pa
Solubility (20°C)	% w/w
Acetone	20
Benzene	43
Chloroform	39
Ethyl acetate	46
n-Hexane	6
Methanol	1.4
Water	<0.01

Applications

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

EVERNOX-565 is highly effective at low concentrations, matching the performance of other stabilizers at higher levels. It can be used in a wide variety of applications. The effectiveness of this product used in unsaturated elastomers prevents the gel formation, maintains excellent polymer color, and prevents molecular weight changes.

Handling & Safety

EVERNOX-565 should be handled with care and prevent contamination of the environment. Avoid dust formation and ignition sources.

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

Packing

The following packages are available upon customer's request :

- (1) 20-kg paper bag.
- (2) 25-kg × 2 PE bag in the carton box.
- (3) Other specific request.

Transportation

EVERNOX-565 is not dangerous materials according to the transportation regulations.

Storage

EVERNOX-565 should be stored under suitable conditions (dry & cool).



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