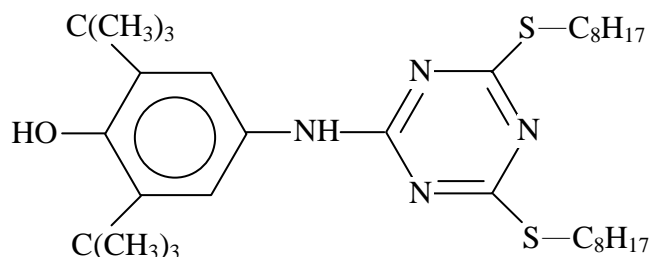


EVERNOX[®] 565

2,6-Di-t-butyl-4-[4,6-bis(octylthio)-1,3,5-triazin-2-ylamino] phenol

Chemical Name 2,6-Di-t-butyl-4-[4,6-bis(octylthio)-1,3,5-triazin-2-ylamino] phenol

Structure



Molecular Weight 589 g/mol

CAS Number 991-84-4

Specification	<u>Criterion</u>	<u>Requirement</u>
	Appearance	white to off-white powder
	Assay(HPLC)	98.0% min
	Melting Point	91 ~ 96°C
	Loss on Drying	0.5% max
	Ash	0.1% max
	Transmittance	at 425 nm 90.0% min
	(2 g in 20 ml toluene)	at 500 nm 95.0% min

Packing 20-kgs net/carton box.

Uses It's a highly effective antioxidant for a variety of elastomers including polybutadiene (BR), polyisoprene (IR), emulsion styrene butadiene (SBR), nitrile rubber (NBR), SIS. Evernox 565 is also used in adhesives (hot melt, 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 is non-staining and due to its low volatility, it's not lost during polymer processing, drying or storage. Evernox 565 can be used in a wide variety of applications. In unsaturated elastomers, it prevents gel formation, maintains excellent polymer color, and prevents changes to molecular weight (e.g. Mooney viscosity).

The dosage levels of Evernox 565 vary by polymer and range from 0.05% to 0.5%. Extensive performance data is available in many of the substrates mentioned above. The relatively low melting point allows easy dispersion in elastomeric substrates by commonly used melt compounding techniques or it can be incorporated into process streams by dissolving in suitable organic solvents or aromatic extender oils.



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