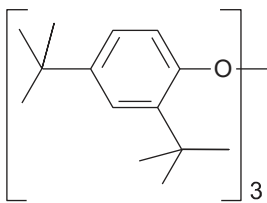




## Product Data Sheet

### Tris(2,4-di-tertbutylphenyl) phosphite

#### Hydrolytically stable phosphite processing stabilizer

Product Characteristic	Tris(2,4-di-tertbutylphenyl) phosphite is a hydrolytically stable phosphite processing stabilizer. Tris(2,4-di-tertbutylphenyl) phosphite reacts during processing with hydroperoxides formed by autoxidation of polymers preventing process induced degradation and extending the performance of primary antioxidants.	
Chemical name	Tris(2,4-di-tertbutylphenyl) phosphite	
CAS Number	31570-04-4	
Chemical formula		
Molecular weight	646.9 g/mol	
Physical Properties	Appearance	White, free flowing powder
	Melting range	183 – 186°C
	Density(20°C)	1.03 g/ml
	Bulk density	480 – 570 g/l
Solubility@ 20°C	Solvent	g/100 g solution Chloroform 36
	Cyclohexane	16
	Dichloromethane	36
	Toluene	30
	Chloroform	36
Features/benefits	Tris(2,4-di-tertbutylphenyl) phosphite is an Organo phosphite Antioxidant of low volatility and is particularly resistant to hydrolysis. It protects polymers which are prone to oxidation during the processing (compounding/palletizing, fabrication and recycling) from molecular weight change (by Chain scission or crosslinking) and prevents discoloration. Tris(2,4-di-tertbutylphenyl) phosphite performs best when combined with Tris(2,4-di-tertbutylphenyl) phosphite and gives storage stability and long term heat stability against thermal and oxidative degradation.	
Applications	Tris(2,4-di-tertbutylphenyl) phosphite is used in polyolefins and olefin copolymers such polyethylene (eg.HDPE, LLDPE), polypropylene, polybutene and ethylene vinyl acetate copolymers as well as polycarbonates and polyamides.	