

# India's leader in liquid phosphite chemistry offers a wide range of Aryl Organo, Aryl-Alkyl Organo & Alkyl Organo phosphites.

Aryl Organo Phosphites	
<b>CRISTOL-TNPP Pure<sup>+</sup></b>	Tris nonyl phenyl phosphite (Free nonyl phenol <0.1%) CAS No. 26523-78-4
<b>CRISTOL-TNPP (HR) Pure<sup>+</sup></b>	Tris nonyl phenyl phosphite + TIPA (Free nonyl phenol <0.1%) CAS No. 26523-78-4
<b>CRISTOL-TNPP</b>	Tris nonyl phenyl phosphite CAS No. 26523-78-4
<b>CRISTOL-TNPP (HR)</b>	Tris nonyl phenyl phosphite + TIPA CAS No. 26523-78-4
<b>CRISTOL-TTP</b>	Triphenyl phosphite CAS No. 101-02-0
<b>CRISTOL-DPP</b>	Diphenyl phosphite CAS No. 4712-55-4
Alkyl Organo Phosphites	
<b>CRISTOL-TDP</b>	Tridecyl phosphite CAS No. 25448-25-3
<b>CRISTOL-TTDP</b>	Tris (tridecyl) phosphite CAS No. 77745-66-5
<b>CRISTOL-TLP</b>	Trilauryl phosphite CAS No. 3076-63-9
<b>CRISTOL-DPEDP</b>	Disteraryl Pentaerythriol Diphosphite CAS No. 3806-34-6
<b>CRISTOL-DPEDP (HR)</b>	Disteraryl Pentaerythriol Diphosphite + TIPA CAS No. 3806-34-6

Alkyl Organo Phosphites (Phenol Free)	
<b>CRISTOL-TDP (PHENOL FREE)</b>	Tridecyl Phosphite CAS No. 25448-25-3
<b>CRISTOL-TTDP (PHENOL FREE)</b>	Tris (Tridecyl) Phosphite CAS No. 77745-66-5
<b>CRISTOL-TIOP (PHENOL FREE)</b>	Tri Isooctyl Phosphite CAS No. 25103-12-2
Aryl-Alkyl Organo Phosphites	
<b>CRISTOL-DDPP</b>	Diisodecyl phenyl phosphite CAS No. 25550-98-5
<b>CRISTOL-DPDP</b>	Diphenyl isodecyl phosphite CAS No. 26544-23-0
<b>CRISTOL-DPOP</b>	Diphenyl octyl phosphite CAS No. 15647-08-2
<b>CRISTOL-DPIOP</b>	Diphenyl isooctyl phosphite CAS No. 26401-27-4
<b>CRISTOL-DPTDP</b>	Diphenyl Tri isodecyl phosphite CAS No. 60628-17-3
<b>CRISTOL-THOP</b>	Tetraphenyl dipropylene glycol di phosphite CAS No. 80584-85-6
<b>CRISTOL-DHOP</b>	Poly (Dipropylene glycol) Phenylphosphite CAS No. 80584-86-7
<b>CRISTOL-S34</b>	Triisodecyl monophenyl dipropylene glycol di phosphite CAS No. 115035-49-9

## Applications

Phosphites are extensively used as secondary antioxidants in manufacture of various polymers and synthetic rubbers to improve colour, processing, heat and UV stability.

Phosphites are primarily used as Process Stabilizers to prevent the decomposition of polymers during processing. Indirectly they help in long-term stability of the polymer and minimize the extent of degradation of the polymer during processing.

Phosphites retard polymer degradation. This degradation can be measured by a variety of methods but the most accessible method is colour. Phosphites give better process ability, which is most obviously manifested as better colour. Phosphites provide a superior stabilization package that will allow the processor to expand the range of processing conditions without losing desired physical properties due to polymer degradation.

Phosphites are important co-stabilizer especially in combination with mix-metal stabilizers. In many countries TNPP is approved in the manufacture of food packaging materials and is frequently combined with non-toxic Ca / Zn - Stabilizers.

Thus phosphites find application in manufacture and processing of a wide range of Polymers, Styrenics, Engineering Thermoplastics, Synthetic Rubber such as Polyolefins, ABS, SBR, PBR, NBR, PVC, Epoxies, Polyurethanes, Adhesives, Coatings, PVC Sheets / Films, PET, Nylon, etc.

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