

PowerNox™ 1178 Antioxidant

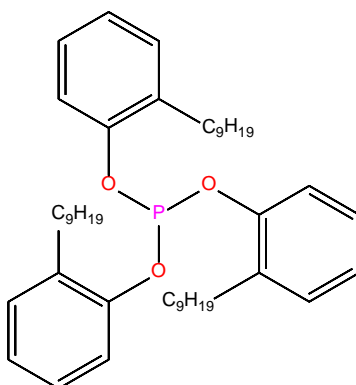
Introduction PowerNox™ 1178 is a phosphite antioxidant used in HDPE, LLDPE, SBR, ABS, and PVC applications, enhancing color and processing stability during recovery, drying, compounding, processing, and end use.

Chemical Name Tris(nonylphenyl) phosphite

CAS Number 26523-78-4

EINECS Number 247-759-6

Chemical Structure



Chemical Formula $C_{45}H_{69}O_3P$

Molecular Weight 689

Physical Properties

Appearance	Clear Liquid
Flash Point (°C)	207
Density [25°C, g/ml]	0.98
Specific Gravity [25°C/15°C]	0.980-0.992
Refractive Index [25°C]	1.5255-1.5280
APHA	Max.75
Acid Value (mg KOH/g)	Max.0.1

Solubility Soluble in Most Common Aprotic Organic Solvents

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Insoluble in	Water
Benefits & Applications	<p>PowerNox™ 1178 is a high cost-effective, pure stabilizer that improves color and stability during drying, processing, and end use, especially for light-colored elastomers.</p> <p>PowerNox™ 1178 is excellent in preventing gel formation polymerization, finishing, storage and factory processing.</p> <p>PowerNox™ 1178 is a versatile phosphite stabilizer which is useful in a large number of polymers such as polyethylene, polypropylene, and polystyrene, HDPE, LLDPE, SBR, ABS, PVC and others.</p>
Handling & Storage	<p>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.</p> <p>This product may be stored up to 18 months 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.</p> <p>For more detailed information please refer to the material safety data sheet.</p>
Packing	PowerNox™ 1178 is supplied in 25KG or 200KG/drum
Note	<p>All information in the leaflet is based on our present knowledge and 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.</p> <p>We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.</p>

Sustainable Innovation for a Better Future



PowerNox™ 1178 Antioxidant

We disclaim liability for any incidental or consequential damages.