

# PowerNox™ DHOP Antioxidant

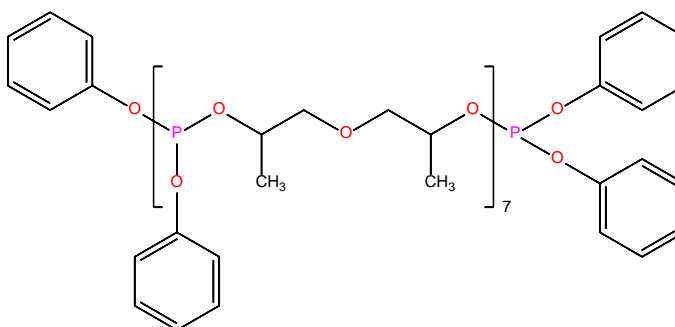
**Introduction** PowerNox™ DHOP is an effective liquid polymeric phosphite for many types of diverse polymer applications.

**Chemical Name** Poly(dipropylene glycol) phenyl phosphite

**CAS Number** 80584-86-7

**EINECS Number** 279-499-4

**Chemical Structure**



**Chemical Formula**  $C_{102}H_{134}O_{31}P_8$

**Molecular Weight** 2100

**Physical Properties**

Appearance	Clear liquid
Color (APHA)	Max. 50
Acid Value (mg KOH/g)	Max. 0.1
Refractive Index [25°C]	1.5340-1.5380
specific gravity [25°C]	1.168-1.18

**Benefits & Applications**

PowerNox™ DHOP is a secondary antioxidant for organic polymers, suitable for PVC, ABS, Polyurethanes, Polycarbonates and coatings to provide improved color and heat stability during processing and in the end application.

PowerNox™ DHOP can be used in rigid and flexible PVC applications as a secondary stabilizer and chelating agent to give brighter, more consistent

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colors and improve the heat stability of PVC.

PowerNox™ DHOP can be used in polymers where regulatory approval for food contact is not required.

Its typical use levels range from 0.2 to 1.0% for most applications.

### Handling & Safety

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.

This product may be stored up to one year 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.

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

### Packing

PowerNox™ DHOP is Supplied in 205Kg Steel Drum.

### Note

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.

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