

# PowerNox™ 618

*New Materials Creating New Performances*

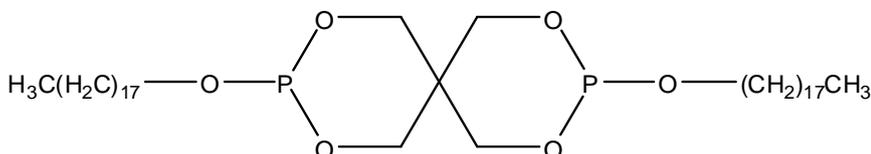
**Quality Products.  
Dependable Service.**

## CHEMICAL NAME

Cyclic Neopentaneteraylbis (Octadecyl Phosphite)

Synonym: 2,4,8,10-Tetraoxa-3,9-diphosphaspiro[5.5]undecane, 3,9-bis(octadecyloxy)

## CHEMICAL STRUCTURE



## INTRODUCTION

PowerNox™ 618 is an excellent color improvement. It has high process stability.

## PHYSICAL PROPERTIES

CAS No.	3806-34-6
EC No.	223-276-6
Formula	C <sub>41</sub> H <sub>82</sub> O <sub>6</sub> P <sub>2</sub>
Molecular Weight	732
Melting Point(°C)	37-46
Phosphorous content(%)	7.3-7.9
Phenol Content(%)	0-0.6
Acid Value	0-1.0
Appearance	White Crystals

## APPLICATIONS

PowerNox™ 618 is suitable for the protection of various polymers, such as PBT, PET, PC, PA and PVC, and it is particularly recommended for PP, PE, PS and ABS.

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PowerNox™ 618 is particularly suitable for applications which require process stability and discoloration prevention.

## HANDLING AND STORAGE

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™ 618 is supplied in 20 kg aluminum bag, 185Kg Epoxy Coating Steel Drum.

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