

PowerNox™ 4426

New Materials Creating New Performances

**Quality Products.
Dependable Service.**

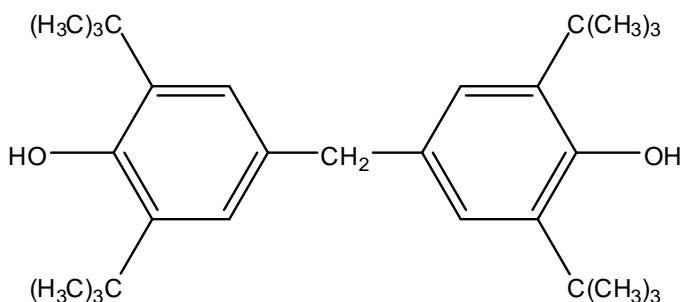
CHEMICAL NAME

2,2',6,6'-tetra-tert-butyl-4,4'-methylenediphenol

Synonym: 4,4'-methylenebis (2,6-di-tertiary-butylphenol);

Phenol, 4,4'-methylenebis(2,6-bis(1,1-dimethylethyl)-

CHEMICAL STRUCTURE



INTRODUCTION

PowerNox™ 4426 has extreme low volatile. It is used for synthetic resin antioxidants due to its resisting thermal oxidation good stability.

PHYSICAL PROPERTIES

CAS No.	118-82-1
EC No.	204-279-1
Formula	C ₂₉ H ₄₄ O ₂
Molecular Weight	425
Relative Density _[15°C, g/cm³]	0.88
Melting Point(°C)	154
Flash point(°C)	170
Vapor Pressure _[20°C, Pa]	<13

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Appearance	White Powder
Ash (%)	Max.0.2

Solubility (20°C)	% w/w
Isooctane	4
Petroleum ether	8
Ethanol	6
Toluene	33
Water	<0.01
10% NaOH	<0.01

APPLICATIONS

PowerNox™ 4426 is premier multi-ring phenolic antioxidant for engine oil and industrial lubricants. It is a highly effective additive for suppressing the formation of acidic and insoluble products of oil oxidation.

PowerNox™ 4426 also has advantages as below:

- High hindered phenolic antioxidant activity
- Low volatility ensures optimum lubricant performance at high temperatures
- Inhibits deposit and sludge formation in the 1000-hour TOST and the CMA thermal stability test
- Synergistic with zinc dithiophosphates and alkylated diphenylamines
- Nonreactive with copper, iron, lead, and silver
- Reduces total deposits in the TEOST MHT-4

HANDLING AND STORAGE

In accordance with good industrial practice, handle with care and avoid unnecessary

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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™ 4426 is supplied in net weight 20kg plastic bag.

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