

# PowerNox™ 1726 Phenolic Antioxidant

## Introduction

PowerNox™ 1726 is a multifunctional antioxidant which combines the function of a hindered phenolic antioxidant (primary AO) and a thioether antioxidant (secondary AO). It is ideal for the protection of substrate such as elastomers, adhesives, lubricants and sealants against processing and long-term thermal degradation.

## Chemical Name

2,4-Bis(dodecylthiomethyl)-6-methylphenol

Synonym: 2-methyl-4,6-bis(dodecylthiomethyl)phenol

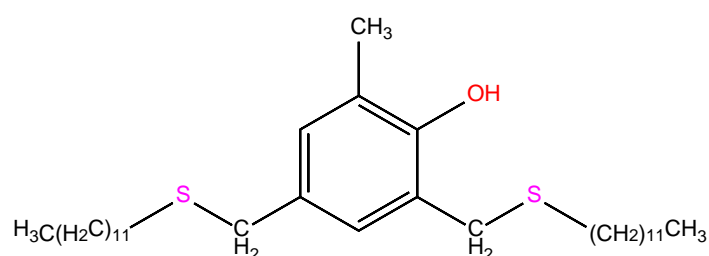
## CAS Number

110553-27-0

## EINECS Number

402-860-6

## Chemical Structure



## Chemical Formula

$C_{33}H_{60}OS_2$

## Molecular Weight

537

## Physical Properties

Appearance	White to light yellow waxy solid
Refractive Index	1.44-1.59
Melting Point [°C]	27-29
Flash Point [°C]	232
Specific Gravity [40°C]	0.934
Color of solution 425nm (%)	Min.97
Color of Solution 500nm (%)	Min.99
Purity (%)	Min.96

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### Solubility

Solubility [20°C]	% w/w
Acetone	>50
Cyclohexane	>50
Ethyl acetate	>50
n-Hexane	>50
Methanol	1
Toluene	>50
Water	<0.01

### Benefits & Applications

PowerNox™ 1726 is most suitable for the protection of solvent/water borne and hot-melt adhesives.

PowerNox™ 1726 can be applied particularly in adhesives, especially Hot Melt Adhesives (HMA) based on unsaturated polymers such as SBS or SIS, and Solvent Borne Adhesives (SBA) of elastomers such as Natural Rubber NR, Chloroprene Rubber.

PowerNox™ 1726 can be used alone at low levels without costabilizers to provide both processing and long-terms heat aging stability.

### Handling & 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™ 1726 is supplied in 200 kg net/ iron 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



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technological progress or further developments. Performance of the product described herein should be verified by testing.

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