

PowerNox™ 1520 Phenolic Antioxidant

Introduction

PowerNox™ 1520 is a multi-functional antioxidant based on hindered phenol and thioether chemistry. It is ideal for the protection of substrate such as elastomers, adhesives, lubricants and sealants against thermal degradation.

Chemical Name

4,6-bis (octylthiomethyl)-o-cresol

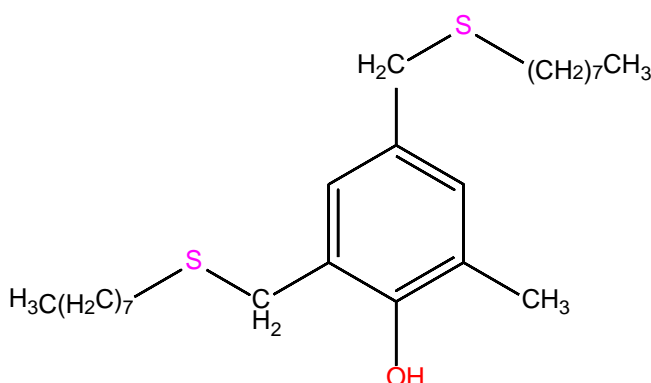
CAS Number

110553-27-0

EINECS Number

402-860-6

Chemical Structure



Chemical Formula

C₂₅H₄₄OS₂

Molecular Weight

425

Physical Properties

Appearance	Colorless to light yellow liquid
Refractive Index	1.5262-1.5278
Melting Point [°C]	13-14
Specific Gravity [25°C]	0.975-0.985
Color of solution 425nm (%)	Min.95
Purity (%)	Min.96

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Solubility

Solubility [20°C]	% w/w
Acetone	>50
Chloroform	>50
Ethanol	>50
n-Hexane	>50
Methanol	>50
Dichloromethane	>50
Toluene	>50
Water	<0.01

Benefits & Applications

PowerNox™ 1520 can be applied for emulsion and solution polymerized elastomers such as BR, SBR, NBR, SBS, and others.

PowerNox™ 1520 also effectively protects various adhesive, sealant, and latex applications. It is non-discoloring, non-staining, low in volatility, and stable to light and heat.

PowerNox™ 1520 can be used alone at low levels without co-stabilizers 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™ 1520 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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