

PowerNox™ 1000 Antioxidant

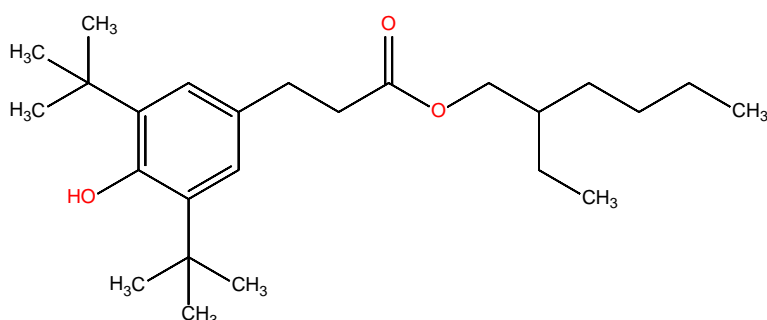
Introduction PowerNox™ 1000 is a liquid antioxidant with hindered phenolic chemistry, perfectly suited for applications requiring a liquid form, like polyurethane foam or liquid color concentrate.

Chemical Name Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2-ethylhexyl ester

CAS Number 144429-84-5

EINECS Number 807-747-9

Chemical Structure



Chemical Formula C₂₅H₄₂O₃

Molecular Weight 390

Physical Properties

Appearance	Colorless to Yellowish Liquid
Specific Gravity	0.940-1.000
Viscosity [40°C, cSt]	100-150
Melting Point (°C)	Max.10
Volatile (%)	Max.0.5
Color of Solution 425nm (%)	Min.94
Color of Solution 500nm (%)	Min.98
Purity (% , GC)	Min.98

PowerNox™ 1000 Antioxidant

Solubility

Solubility [20°C]	% w/w
Ethyl acetate	>50
Ethanol	>50
Methyl ethyl ketone	>50
PEG (Mn=400)	>50
Water	<0.01

Benefits & Applications

PowerNox™ 1000 is a liquid hindered phenols antioxidant, have excellent oxidation resistance performance.

PowerNox™ 1000 offers excellent solubility in mineral oil and non-conventional base stocks.

PowerNox™ 1000 can be used to piston cleanliness in engine oils - both diesel and gasoline.

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 two 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™ 1000 is supplied in 190kg/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.

We specifically disclaim any other express or implied warranty of fitness for



PowerNox™ 1000 Antioxidant

a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.