

PowerNox™ DLTDP Antioxidant

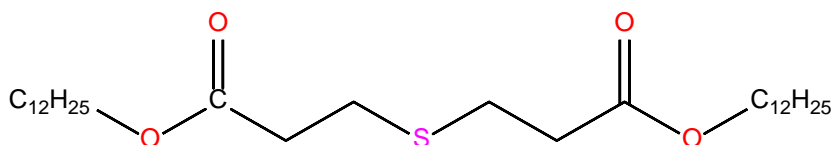
Introduction PowerNox™ DLTDP is a secondary thioester antioxidant for organic polymers.

Chemical Name Dilauryl thiodipropionate

CAS Number 123-28-4

EINECS Number 204-614-1

Chemical Structure



Chemical Formula C₃₀H₅₈O₄S

Molecular Weight 515

Physical Properties

Appearance	White Powder
Melting Point (°C)	39-41
Volatile Loss (%)	Max.0.5
Color (Molten, APHA)	Max.60
Acid Value (mg KOH/g)	Max.0.5
Ash (%)	Max.0.05
Purity (%)	Min.99

Solubility

Solubility [20°C]	% w/w
Acetone	55
Ethanol	4
Ethyl acetate	60
n-Hexane	52
Toluene	65
Glycerin	<0.01
Ethylene Glycol	<0.01



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Propylene Glycol	<0.01
Water	<0.01

Benefits & Applications

PowerNox™ DLTDP can be used as antioxidant for Plastics, Rubber, synthetic Fiber, Fat and Oils, Petroleum products.

PowerNox™ DLTDP mainly is used in PE, PP, ABS, HIPS, Polyester and polyamide.

PowerNox™ DLTDP can be used as a synergist in combination with phenolic antioxidants. - Enhance aging and light 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™ DLTDP is supplied in 20Kg Paper Bag, 20Kg PE Bag, 25Kg Carton Box, and 50Kg Fiber 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 a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.

Sustainable Innovation for a Better Future



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