

PowerNox™ DSTDP Antioxidant

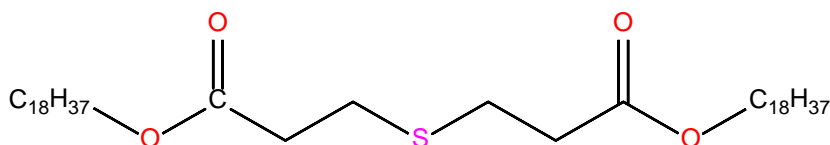
Introduction PowerNox™ DSTDP is a secondary thioester antioxidant for organic polymers.

Chemical Name Distearyl thiodipropionate

CAS Number 693-36-7

EINECS Number 211-750-5

Chemical Structure



Chemical Formula C₄₂H₈₂O₄S

Molecular Weight 683

Physical Properties

Appearance	White Powder
Melting Point (°C)	64-69
Volatile Loss (%)	Max.0.5
Color (Molten, APHA)	Max.50
Acid Value (mg KOH/g)	Max.0.05
Color of Solution 425nm (%)	Min.97
Color of Solution 500nm (%)	Min.98
Ash (%)	Max.0.01
Purity (%)	Min.98

Benefits & Applications

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

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

PowerNox™ DSTDP can be used as a synergist in combination with

PowerNox™ DSTDP Antioxidant

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™ DSTDP 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.

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