

PowerNox™ DTTDP Antioxidant

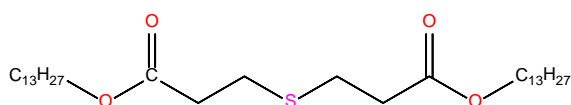
Introduction PowerNox™ DTTDP is ditridecyl thiodipropionate-based secondary thioester antioxidant for organic polymers and efficient stabilizer for polyolefins, particularly PP and HDPE.

Chemical Name Di(tridecyl) thiodipropionate

CAS Number 10595-72-9

EINECS Number 234-206-9

Chemical Structure



Chemical Formula C₃₂H₆₂O₄S

Molecular Weight 543

Physical Properties

Appearance	Clear Liquid
APHA	Max.50
Ash (%)	Max.0.1
Acid Value (mg KOH/g)	Max.0.5
Specific Gravity (g/cm ³)	0.931-0.941

Benefits & Applications

PowerNox™ DTTDP decomposes and neutralizes hydroperoxides, formed by auto-oxidation of polymers.

PowerNox™ DTTDP can be used as a synergist in combination with phenolic antioxidants. Recommended for PE, ABS, HIPS, polyester and polyamide. It is used in synthetic fibers.

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PowerNox™ DTTDP can be used as a synergist in combination with phenolic antioxidants. -- Enhance aging and lightstability.

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™ DTTDP is supplied in 170Kg 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.

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We disclaim liability for any incidental or consequential damages.