

## PowerNox™ DMTDP Antioxidant

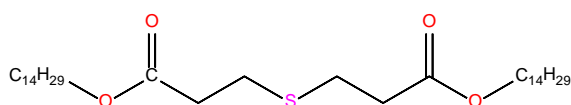
**Introduction** PowerNox™DMTDP is a secondary thioester antioxidant for organic polymers, effectively decomposing and neutralizing hydroperoxides resulting from polymer auto-oxidation.

**Chemical Name** Dimyristyl thiodipropionate

**CAS Number** 16545-54-3

**EINECS Number** 240-613-2

**Chemical Structure**



**Chemical Formula** C<sub>34</sub>H<sub>66</sub>O<sub>4</sub>S

**Molecular Weight** 571

**Physical Properties**

Appearance	White Powder
Melting Point (°C )	49-54
Volatile Loss (%)	Max.0.5
Ash Content (%)	Max.0.01
APHA	Max.60
Acid Value (mg KOH/g)	Max.0.5

**Benefits & Applications**

PowerNox™DMTDP is suitable for plastics, rubber and synthetic fibers, offering improvements in initial color and augmenting resistance to aging and light-induced degradation.

PowerNox™DMTDP is an efficient stabilizer for polyolefins, particularly PP and HDPE. It is mainly used in PE, ABS, HIPS, polyester and polyamide.

## PowerNox™ DMTDP Antioxidant

PowerNox™DMTDP can be used as a synergist in combination with phenolic antioxidants.

### 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™DMTDP 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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