

Phenox 300

High performance antioxidant

de//sun
Specialty chemicals

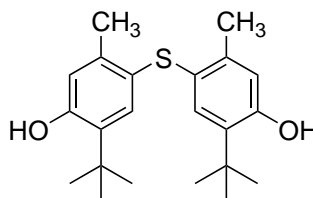
Chemical Name: 4,4'-Thiobis(6-tert-butyl-m-cresol);

4,4'-Thiobis(2-tert-butyl-5-methylphenol);

CAS Number: 96-69-5

Molecular Formula: C₂₂H₃₀O₂S

Molecular Weight: 358.54



Instruction:

Phenox 300 is a non-discoloring antioxidant useful for the stabilization of elastomers, plastics, adhesives, and lubricants. The product is also used as a disproportionation agent in the production of rosin esters.

Packing:

- * 25kgs fiber drum
- * 25kgs plastic bag

Advantages

- * Non-discoloring and non-staining
- * Good compatibility with peroxides (for example in elastomers and in polyolefin wire & cable formulations) and carbon black
- * Inhibits skin formation in hot melt adhesives
- * As a disproportionation agent, improves the thermal oxidative stability of rosin esters

Loading Instructions:

The recommended loading levels range between about 0.1 and 2%, depending on the substrate, processing conditions, end use, and other performance requirements. Phenox 300 can also be used in combination with other additives, including antioxidants (primary and/or secondary) and light stabilizers. *These recommendations are based on laboratory work (and field testing) under controlled conditions and do not necessarily indicate the result that the buyer or user will obtain. For this reason we strongly recommend testing of your own system under the actual conditions of processing and end-use prior to full scale testing. Please contact Dellsun for specific recommendations.*

Specifications

Appearance:	White crystalline powder
Melting point:	160-164 °C
Loss on drying:	0.5% max
Ash:	0.1% max
Fe content:	10ppm max
Specific gravity:	1.1-1.2

Storage

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. This product is moisture sensitive. Guard against exposure to humidity or moisture to maintain product quality. Keep containers tightly sealed when not in use.

Visit www.dellsunchemical.com to find more information

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