



GlobalVillage Sourcing, P. O. Box 600, Round Rock, TX 78680-0699

TECHNICAL DATA SHEET

GLOBAL SOL™ AOX 5 (DSTDP)

Characterization: Globasol™ AOX 5 (DSTDP) is a dialkylester thiodipropionic acid. It is used as a synergistic heat stabilizer in combination with the phenolic antioxidant to enhance its performance.

Chemical Name :	Diocadecyl 3,3'-thiopropionate
CAS Number	693-36-7
Structure	S-(CH₂-CH₂C-O-C₁₈H₃₇)₂
Molecular weight	683

Applications

Used in Polymer materials requiring high temperature processing and long term thermal stability. It is effective in PE power cable, PP, Adhesive, XLPE power cable, HDPE pipe, EVA, ABS, PVC, thermoplastic rubbers and greases.

Features

Use in combination with phenolic primary antioxidant to enhance long-term thermal stabilization, low volatility and excellent performance of low odor generation.

Product Form	WHITE POWDER		
SPECIFICATIONS	MELTING POINT		64-67°C
	VOLATILE MATTER		0.3% MAX.
	COLOR OF SOLUTION	425nm	97% MIN.
	TRANSMITTANCE	500nm	98% MIN.
	ASSAY		98% MIN.
	ASH CONTENT		0.1% MAX.
	COLOR (APHA)		50 MAX.



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SOLUTION CLARITY

CLEAR

Guidelines for Use

Polymer recommend level: 0.05-1%

In peroxide cross-linked power cables, 0.02-0.03% Globasol™ AOX 5 (DSTDP) with a primary antioxidant.

Handling & Safety

Globasol™ AOX 5 (DSTDP) requires no special safety measures provided the usual precautions for handling chemicals are observed. Avoid dust formation and ignition sources.

Allowed for use in plastic compositions coming in contact with food PURSUANT TO 21 CFR, Section 181.24.

LD 50 (oral, rat) : >2500 mg/kg.

For more detailed information please refer to the material safety date sheet.
