DR. J. PHARMACHEM (INDIA)

POLYMER	*ANTIOXIDANT SYNERGIST*

AO DSTDP

Technical Datasheet

Product Information: POLYMER ADD-AO DSTDP is a thioether-type antioxidant which functions by scavenging peroxides formed during the thermal oxidative degradation of plastics and other organic materials. It provides outstanding thermal stability in polyolefins, styrenic polymers and engineering plastics.

Chemical Name	DISTEARYL THIODIPROPIONATE		
Grade Name	AO DSTDP		
CAS No.	693-36-7		
EINECS No.	211-750-5		
Molecular Formula	C42H82O4S		
Synonyms	• 3,3'-thiobis-propanoicacidioctadecylester • Dioctadecylthiodipropionate • Distearylbeta,beta'-thiodipropionate		
TEST	**SPECIFICATION**		**METHOD**
Appearance	Form: Flakes Colour:White to slightly yellow		Visual
Purity	90 % Min.		By HPLC
Melting Range	64 - 67 °C		Melting point apparatus (open capillary tube method)
Vapor Pressure at 20 °C	6.6 E - 6 Pa		By Vapor pressure analyzer
Bulk density	400 - 450 g/l		Untapped
Solubility at 20 °C	Solvent	Solubility (gm/100ml)	Visual
	Acetone	1	
	Chloroform	20	
	Ethanol	1.5	
	Ethyl Acetate	1.7	
	N-Heptane	1.8	
	Methanol	1	
	Toluene	10	
	Water	< 0.01	

Product Applications:

1. POLYMER ADD-AO DSTDP is used in Polyethylene power cables, XLPE power cables, HDPE pipe, Polyolefin under-hood automotive applications, Adhesives, Styrene homo- and copolymers.
2. Its potential application includes mineral-filled and unfilled polypropylene.

722/AB/15, Nirmal, Laxmi Park Colony, Navi Peth 411030, www.jpharmachem.com
Tel. 020-24530071 Email:sales@jpharmachem.com

DR. J. PHARMACHEM (INDIA)

Product Benifits:

1. POLYMER ADD-AO DSTDP has the lowest volatility of all thiosynergists, it combines excellent performance with low odor.
2. It is non-discolouring, excellent processing & aging stability.

Product Dosage: We strongly recommend testing of your own system under the actual conditions of processing and end-use prior to full scale testing. Exact loading must be determined by compositions of the specific polymer systems. The recommended concentrations range from 0.05 - 1 % of polymers weight to improve the long-term heat stability.

Polymer Details	**Suggested dosage**

Product Handling & safety:
Please refer to our product MSDS for specific instructions on handling this product.

Product Registration:POLYMER ADD-AO DSTDP is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs
Chapter: I - Food And Drug Administration, Department Of Health And Human Services (Continued)
Subchapter: B - Food For Human Consumption (Continued)
Part: 181 - Prior-Sanctioned Food Ingredients
Subpart: B - Specific Prior-Sanctioned Food Ingredients
Section: 181.24 - Antioxidants

Product Disclaimer
Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seler be liable for incidental, consequential or indirect damanges for alleges negligence breach of warranty, strict liability, and tort or contact rising in connectoin with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or fur use for which implantation within human body is intended.

722/AB/15, Nirmal, Laxmi Park Colony, Navi Peth 411030, www.jpharmachem.com
Tel. 020-24530071 Email:sales@jpharmachem.com