



Technical Data Sheet

TRINOX DLTDP

<u>Product Features</u>	TRINOX DLTDP is a thioester antioxidant. TRINOX DLTDP is highly soluble & its excellent properties make it suitable to prevent degradation, discolouration & rancidity in Rubber synthetic fiber, fats & oils, plastics & petroleum products. It is easily soluble in wide range of organic solvents. It has synergistic effects when used in combination with phenolic antioxidants.
<u>Composition</u> :	Di-lauryl- Thio-di-propionate
<u>Chemical Structure</u> :	$\begin{array}{c} \text{CH}_2 - \text{CH}_2 - \text{COO} - (\text{CH}_2)_{11} - \text{CH}_3 \\ \\ \text{S} \\ \\ \text{CH}_2 - \text{CH}_2 - \text{COO} - (\text{CH}_2)_{11} - \text{CH}_3 \end{array}$
<u>Specifications:</u>	
CAS No.	:123-28-4
Colour and Appearance	:White powder.
Acid Value (mgKOH/gm)	:0.5 Max
Melting Point (°C)	:39 – 42 Deg C
Molecular weight	:514.84
Specific Gravity	:1.01-1.05
Solubility at 20 °C(g/100g solvent) :	
1. Acetone	:55
2. Ethyl Acetate	:60
3. n- Heptane	:52
4. Toluene	:65
5. Ethanol	:4



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Major Applications : TRINOX DLTDP is used as a stabilizer for polyolefin & Polyethylene applications. It improves heat resistance & Weather of the products to protect them against deterioration in high temperature process & loss of hardness.

TRINOX DLTDP can be used as an additive for Lubricating oils.

TRINOX DLTDP can be used as an antioxidant for Polypropylene & polyethylene film for food wrappings.

TRINOX DLTDP can be used as an antioxidant for fats & oils.

TRINOX DLTDP can be used as antioxidants for ABS resin, Acrylic resin, PVC & other plastics.

Packaging / Storage / Safety :

Packaging	:	25 kg Fibre Drum With Liner.
Storage	:	Protected from extremes of temperature
Shelf Life	:	12 months from date of delivery in original Trigon Antioxidants sealed container.
Protective Clothing	:	Normal precautions for handling chemicals should be applied including the wearing of protective clothing, hand gloves & safety goggles.