

Technical Data Sheet

Rev. 1 - Data rev. 01/2016

# K.NOX DTDTP

<b><u>CHEMICAL NAME</u></b>	Ditridecyl thiodipropionate	
<b><u>CAS NUMBER</u></b>	10595-72-9	
<b><u>MOLECULAR FORMULA</u></b>	C <sub>32</sub> H <sub>62</sub> O <sub>4</sub> S	
<b><u>STRUCTURE</u></b>	$\left[ \text{H}_{27}\text{C}_{13} - \text{O} - \overset{\text{O}}{\parallel}{\text{C}} - \text{CH}_2\text{CH}_2 \right]_2 \text{S}$	
<b><u>MOLECULAR WEIGHT</u></b>	542.55	
<b><u>CHARACTERIZATION</u></b>	<p>Non-colour or light yellow liquid, melting point less than 24°C, soluble in toluene, heptane, ethyl acetate and other organic solvents but insoluble in water. <b>K.NOX DTDTP</b> is a liquid secondary stabilizer and antioxidant and have excellent compatibility with resin. <b>K.NOX DTDTP</b> is use for polymers (ABS, PP, PE, and PVC) and has a good synthesise effect in combination with phenolic antioxidant. No toxicity. The dosage is 0.05-0.5%.</p>	
<b><u>CHEMICAL-PHYSICAL PROPERTIES</u></b>	Appearance	Non-colour or light yellow liquid
	Color	max. 50 Pt-Co
	Specific Gravity	0.931-0.941 g/cm <sup>3</sup>
	Acid Value	max. 0.5 mgKOH/g
	Saponification Value	200-210 mgKOH/g
<b><u>PACKAGING</u></b>	In 200L iron pail, Net 170Kg.	
<b><u>STORAGE</u></b>	At dark, cool, ventilated and dry places. Avoid high temperature on transporting, no blend storing with alkali compounds.	

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