



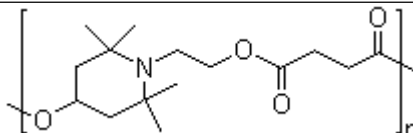
Dynasty Chemicals (NingBo) Co., Ltd.

TECHNICAL DATA SHEET

NO:DGA00529

Product name:	Light stabilizer 622		
Main composition:	Butanedioic acid, dimethylester, polymer with 4-hydroxy -2,2,6,6-tetramethyl-1-piperidine ethanol.		
CAS No.	65447-77-0	Molecule weight:	Mn=5000-6000

Chemical structure:



Appearance:	White or light yellow crystalline powder, odorless.
pH value:	6.3(1% suspension in water 20-25°C)
Softening temperature:	≥95°C
Flash point:	>250°C
Ignition temperature:	370°C
Density:	1.22g/cm ³ (20°C)
Solubility:	1.6mg/L(water, 20°C)
Vapor pressure:	2.5E-6Pa
Volatility:	≤0.4%
Partition coefficient:	5.2(log pow, 20-25°C)
Ash:	0.2%max
Transmittance 425nm	95.0%
Transmittance 500nm	98.0%
Features:	<p>LS 622 is the light stabilizer of choice for all applications calling for low volatility and minimal migration, because of its oligomeric structure with high molecular weight. Furthermore LS 622 is effective as antioxidant and contributes significantly to the long term heat stability of polyolefins and tackifier resins.</p> <p>The effectiveness of LS 622 surpasses significantly that of UV absorbers, particularly in pigmented systems. Combinations of LS 622 with UV absorbers.</p>
Application:	<p>LS 622 areas of application include polyolefins (PP, PE), olefin copolymers such as EVA as well as blends of polypropylene with elastomers.</p> <p>In addition LS 622 is highly effective in polyacetals, polyamides and polyurethane applications.</p>

Note: Our specification stated above is base on our present state of knowledge and only provide general notes



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on our products and their uses.