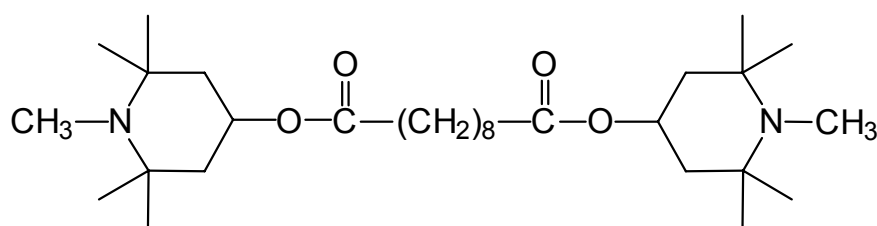


Technical Information

GLK: DS LL 76
Effective: September 1999
Supersedes: July 1998

LOWILITE[®] 76 HINDERED AMINE STABILIZER

Lowilite 76 is a highly effective light stabilizer belonging to the Hindered Amine Light Stabilizers (HALS) family of stabilizers.



Bis-(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate
CAS No. [41556-26-7]

Lowilite 76 has a low melting point for use in polypropylene, polyethylene, styrenics, unsaturated polyester, acrylics, vinyl polymers (PVC, PVB), including plastisols, elastomers, adhesives, sealants and spin finishes. It is often recommended for polyurethanes because of its solubility in polyols. **Lowilite 76** typically demonstrates reduced interaction with co-additives such as pigments or other stabilizer.

Typical Properties			
Appearance	White Solid (clear light amber liquid above melting point)		
Molecular Weight	509		
Melting Range, °C	31 - 33		
Glass Transition Temp, °C	-45		
Boiling Point, °C	>350		
Flash Point, °C	256		
Specific Gravity, g/ml @ 35°C	0.973		
Thermogravimetric Analysis (10 mg @ 10 °C/minute under nitrogen)			
Weight Loss, %	5	10	25
Temperature, °C	260	277	303
Solubility @ 25°C (grams/100 g solvent)			
Water	<0.001	Styrene	110
Acetone	340	Cyclohexane	110
Isopropyl Alcohol	238	Hexane	230
Xylene	268	Toluene	327
Trichloroethane	110		

The information supplied is presented in good faith and has been derived from sources believed to be reliable. Since conditions of use are beyond our control, all risks are assumed by the user. No representation is expressed or implied, and nothing herein shall be construed as permission or recommendation to practice a patented invention without a license.

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Lowilite® 76

BROOKFIELD VISCOSITY OF SATURATED SOLUTIONS OF LOWILITE® 76 IN COMMON SOLVENTS (cps @ 25°C)			
Acetone	50	Cyclohexane	25
Isopropyl Alcohol	50	Hexane	35
Xylene	50	Toluene	45
Trichloroethane	25	Styrene	25

Lowilite 76 may be used in articles which come into contact with foodstuffs in compliance with the restrictions reported in the following regulations: 21 CFR § 177.1520.

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 6 to 12 months from the date of receipt. For additional handling and toxicological information, consult GLCC Material Safety Data Sheet 00089.

This product is package in 110 kg. drums.