

LOWILITE™ 92 UV stabilizer

Hindered Amine Light Stabilizer



Description

LOWILITE™ 92 UV stabilizer is a highly effective light stabilizer belonging to the Hindered Amine Light Stabilizer (HALS) family of stabilizers

Chemical Name

Mixture of decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) and decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester

Synonym

Mixture of bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate and methyl(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate

CAS-Nr.

41556-26-7 and 82919-37-7

EINECS-Nr.

255-437-1 and 280-060-4

Formula

LOWILITE™ 92 UV stabilizer

SI Group Inc., 2750 Balltown Road, Schenectady, NY 12309 PH: +1 518.347.4200 www.siigroup.com

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Typical physical properties of LOWILITE™ 92 UV stabilizer

Appearance	Clear, colorless liquid		
Melting point [°C]	<4		
Viscosity @ 38 °C [mPa·s]	170		
Density @ 38 °C [g/cm ³]	0.979		

Solubility (g/100g solvent) @ 20°C

n-Hexane	>100	Methanol	>100
Acetone	>100	Ethyl Acetate	>100
Chloroform	>100	Water	<0.1
Toluene	>100		

Thermogravimetric Analysis (10 mg @ 10 K/minute under N₂)

Weight Loss [%]	5	10	50
Temperature [°C]	257	279	323

Application

LOWILITE™ 92 UV stabilizer is a liquid HALS Light stabilizer for use in polypropylene, polyethylene, styrenics, unsaturated polyester, acrylics, vinyl polymers (PVC, PVB), including plastisols, elastomers, adhesives, sealants and coatings. It is often recommended for polyurethanes because of its solubility in polyols. **LOWILITE™ 92 UV stabilizer** typically demonstrates reduced interaction with co-additives such as pigments or other stabilizers.

Handling and Storage

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 otherwise stated, the shelf life of the product is 4 years when it is properly stored.

For additional handling and toxicological information consult the SI Group Material Safety Data Sheet.

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