

# LOWILITE<sup>®</sup> 92 UV stabilizer

## Hindered Amine Light Stabilizer

### Description

LOWILITE<sup>®</sup> 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-piperidinyloxy) and decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyloxy ester

### Synonym

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

### CAS-Nr.

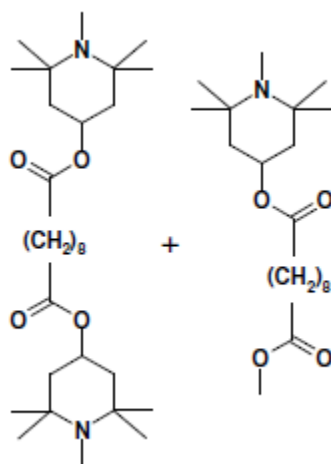
41556-26-7 and 82919-37-7

### EINECS-Nr.

255-437-1 and 280-060-4

### Formula

#### LOWILITE<sup>®</sup> 92 UV stabilizer



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### Typical physical properties of LOWILITE<sup>®</sup> 92 UV stabilizer

Appearance	Clear, colorless liquid
Melting point [°C]	<4
Viscosity @ 38 °C [mPa·s]	170
Density @ 38 °C [g/cm <sup>3</sup> ]	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 N<sub>2</sub>)

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

### Application

**LOWILITE<sup>®</sup> 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<sup>®</sup> 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 Addivant<sup>TM</sup> Material Safety Data Sheet.**