

LOWILITE[®] 19 UV stabilizer

Hindered Amine Light Stabilizer

Description

LOWILITE[®] 19 UV stabilizer is a Hindered Amine Light Stabilizer (HALS) that protects organic polymers against the degradation caused by exposure to ultraviolet radiation.

Chemical Name

1,3,5-Triazine-2,4,6-triamine, N2,N2'-1,2-ethanediylbis[N2-[3-[[4,6-bis[butyl(1,2,2,6,6-pentamethyl-4-piperidiny]amino)-1,3,5-triazin-2-yl]amino]propyl]-N4,N6-dibutyl-N4,N6-bis(1,2,2,6,6-pentamethyl-4-piperidinyl)-

CAS-Nr.

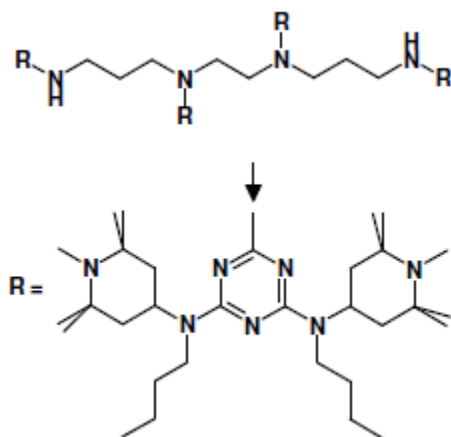
106990-43-6

EINECS-Nr.

401-990-0

Formula

LOWILITE[®] 19 UV stabilizer



Typical physical properties of LOWILITE[®] 19 UV stabilizer

Appearance	White to light yellow crystal solid
Melting range [°C]	115 – 150
Molecular weight [g/mol]	2286
Bulk density [kg/m ³]	640

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Solubility (g/100g solvent) @ 25°C

n-Hexane	7	Toluene	94
Ethyl Acetate	50	Methanol	1
Acetone	6		
Chloroform	>100		
Water	<0.1		

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

Weight Loss [%]	5	10	25
Temperature [°C]	386	405	431

Application

LOWLITE[®] 19 UV stabilizer is particularly suited to thick section, thin section and fiber applications of PP, PE, α -olefin copolymers and (filled) blends. It maximizes the color yield in pigmented systems, has improved resistance to acidic environments and due to its high molecular weight, shows excellent resistance to migration and low volatility. **LOWLITE[®] 19 UV stabilizer** also has powerful antioxidant properties and significantly improves the LTHA of polyolefins. Furthermore it can be used in Styrenics, Elastomers, Adhesives & Sealants, flexible and rigid PVC, Polyurethanes, PA, PET, PBT, PMMA and POM.

Regulatory Status

For details on food contact approval please contact Addivant[™] Regulatory Affairs Polymer Additives.

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 2 years when it is properly stored.

For additional handling and toxicological information consult the Addivant[™] Material Safety Data Sheet.

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