

LOWILITE™ 77 UV stabilizer

Hindered Amine Light Stabilizer

Description

LOWILITE™ 77 UV stabilizer is a highly effective light stabilizer belonging to the Hindered Amine Light Stabilizer (HALS) family of stabilizers

Chemical Name

Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny) ester

Synonym

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

CAS-Nr.

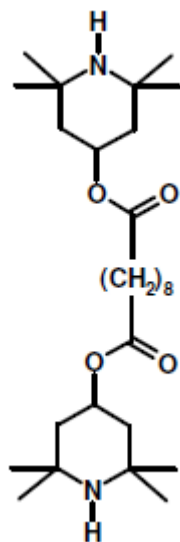
52829-07-9

EINECS-Nr.

258-207-9

Formula

LOWILITE™ 77 UV stabilizer



Typical physical properties of LOWILITE™ 77 UV stabilizer

Appearance	Slightly yellow micropellets
Melting range [°C]	80 – 85
Molecular weight [g/mol]	481
Bulk density [kg/m ³]	560

Solubility (g/100g solvent) @ 20°C

n-Hexane	4	Methanol	51
Acetone	20	Ethyl Acetate	20
Chloroform	90	Water	<0.1
Toluene	50		

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

Weight Loss [%]	5	10	25
Temperature [°C]	220	240	260

Application

The effectiveness of **LOWILITE™ 77 UV stabilizer** as a stabilizer is superior to classic products such as UVAs and nickelcontaining stabilizers. **LOWILITE™ 77 UV stabilizer** is very suitable, alone or in combination with oligomeric HALS, for the UV stabilization of tapes and thick items such as car bumpers and garden furniture. **LOWILITE™ 77 UV stabilizer** is recommended for polymers such as polyolefins, PS, HIPS, ABS, SAN and ASA. It is also effective in polyurethanes, polyamides and polyacetals.

Food Contact

For details please contact SI Group Regulatory Affairs.

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.