

# LOWINOX™ HD98-LA stabilizer

## Phenolic Antioxidant

### Description

**LOWINOX™ HD98-LA stabilizer** is an efficient and extraction resistant hindered phenol antioxidant.

### Chemical Name

Benzenepropanamide, N,N'-1,6-hexanediylbis[3,5-bis(1,1-dimethylethyl)-4-hydroxy-

### Synonym

N,N'-Hexamethylene bis[3-(3,5-di-t-butyl-4-hydroxyphenyl)propionamide

### CAS-Number:

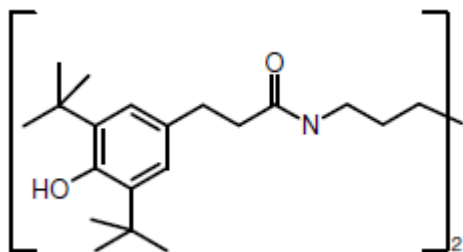
23128-74-7

### EINECS-Number:

245-442-7

### Formula

**LOWINOX™ HD98-LA stabilizer**



### Typical physical properties of LOWINOX™ HD98-LA stabilizer

Appearance	White powder
Melting range [°C]	156-163
Molecular weight [g/mol]	637
Bulk density [kg/m <sup>3</sup> ]	450

**Solubility (g/100g solvent ) @ 25°C**

n-Hexane	<0.1	Methanol	5
Ethyl Acetate	0.5	Toluene	0.2
Acetone	3.2	Water	<0.1
Chloroform	13	80% Caprolactame 20% Water	3

**Thermogravimetric Analysis (10 mg @ 10 K/minute under N<sub>2</sub>)**

Weight Loss [%]	5	10	25
Temperature [°C]	330	342	375

**Application**

**HD98-LA stabilizer** is an excellent antioxidant for polyamide fibers, molded articles and films. **LOWINOX™ HD98-LA stabilizer** can be added prior to polymerization to protect polymer color properties during manufacturing, spinning or thermal fixation. During the last stages of polymerization or by dry blending on nylon chips, fiber can be protected by incorporating **LOWINOX™ HD98-LA stabilizer** in the polymer melt.

**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.**