

# **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/m³]	450

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

Page 1 of 2

The foregoing product brand is a trademark of one or more SI Group, Inc. affiliated companies. SI Group, The Substance Inside and the SI Group logo are Reg. U.S. Pat. & Tm Off. and additional countries, to SI Group, Inc.

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of SI Group, Inc. and its affiliated companies to ensure the accuracy or reliability of the information. Customers should contact SI Group account representatives for current information. It is the responsibility of the user to comply with all applicable laws and regulations relating to use of the product and to provide for a safe workplace. The user should consider all information contained herein only as a guide, and should take precautions that the user considers necessary or prudent to promote a safe work environment, such as considering all applicable health and safety hazards, developing safe work practice procedures and properly instructing employees, and reviewing the Safety Data Sheet (SDS) and product label for safety information.



## 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
		80%	
Chloroform	13	Caprolactame	3
		20% Water	

## 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**<sup>™</sup> **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**<sup>™</sup> **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.