# LOWINOX<sup>™</sup> 44B25 stabilizer

### **Phenolic Antioxidant**

#### Description

**LOWINOX<sup>™</sup> 44B25 stabilizer** is a non-discoloring antioxidant based on a sterically hindered alkylated bis-phenol.

## **Chemical Name**

Phenol, 4,4'-butylidenebis[2-(1,1-dimethylethyl)-5-methyl-

#### Synonym

4,4'-Butylidenebis[2-t-butyl-5-methylphenol]

# CAS-Number:

85-60-9

# EINECS-Number:

201-618-5

# Formula LOWINOX<sup>™</sup> 44B25 stabilizer



# Typical physical properties of LOWINOX<sup>™</sup> 44B25 stabilizer

Appearance	White powder
Melting range [°C]	209 – 212
Molecular weight [g/mol]	383
Bulk density [kg/m <sup>3</sup> ]	330

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# Solubility (g/100g solvent ) @ 20°C

n-Hexane	<0.1	Methanol	43
Ethyl Acetate	63	Toluene	2
Acetone	>200	Water	<0.1
Chloroform	3	Ethanol	43

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

Weight Loss [%]	5	10	25
Temperature [°C]	200	212	217

### Application

**LOWINOX<sup>™</sup> 44B25 stabilizer** is a non-discoloring antioxidant with a wide range of applications for thermoplastics and adhesives. It has excellent performance properties in polyamides and tire cord.

#### **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.

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