

# LOWINOX™ AH25 stabilizer

## Phenolic Antioxidant

### Description

**LOWINOX™ AH25 stabilizer** is an excellent performing stabilizer based on sterically hindered dihydroxybenzene.

### Chemical Name

2,5-Di-*tert*-amyl-hydroquinon

### CAS-Number:

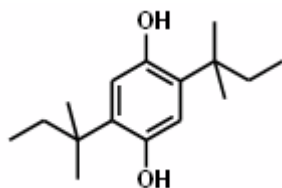
79-74-3

### EINECS-Number:

201-222-2

### Formula

**LOWINOX™ AH25 stabilizer**



### Typical physical properties of LOWINOX™ AH25 stabilizer

Appearance	White to cream colored powder
Molecular weight [g/mol]	250
Melting point (capillary) °C	179
Bulk density [kg/m <sup>3</sup> ]	290
Volatility (2g/2h/80°C) Max %	0.5
Ash content (5g/800°C) Max %	0.1

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

Water	<0.1	<i>n</i> -Hexane	<0.1
Acetone	50	Chloroform	3
Diethyl ether	130	Methanol	>100
Ethanol	68	Ethyl Acetate	82
Toluene	3		

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

Weight Loss [%]	5	10	25
Temperature [°C]	158	177	188

**Applications**

**LOWINOX™ AH25 stabilizer** exhibits excellent protection against oxygen and sun crack. It is recommended for unvulcanized rubber adhesives, tapes and films. **LOWINOX™ AH25 stabilizer** prevents the loss of tack of unvulcanized rubber and reduces the cold flow. **LOWINOX™ AH25 stabilizer** provides good scorch resistance in wire and cable applications. **LOWINOX™ AH25 stabilizer** is effective in a variety of coatings such as unsaturated paint resins where it prevents skinning through oxygen inhibition. **LOWINOX™ AH25 stabilizer** is also particularly useful for stabilizing acrylonitrile-based polymers.

**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.**