

LOWINOX™ AH25 stabilizer

Phenolic Antioxidant



(330) 535-2100 (800) 321-2260
 Fax (330) 535-8947
 info@akrochem.com / www.akrochem.com

Description

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

Chemical Name

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

CAS-Number:

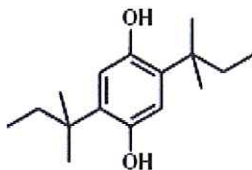
79-74-3

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 ³]	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 N₂)

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.