

LOWINOX™ CA22 stabilizer

Phenolic Antioxidant

Description

LOWINOX™ CA22 stabilizer is a high performance hindered phenolic antioxidant providing excellent extraction resistance and color performance.

Chemical Name

Phenol, 4,4',4''-(1-methyl-1-propanyl-3ylidene)tris[2-(1,1dimethylethyl)-5-methyl-

Synonym

1,1,3-Tris(2'-methyl-4'-hydroxy-5'-*t*-butylphenyl)butane

CAS-Nr.

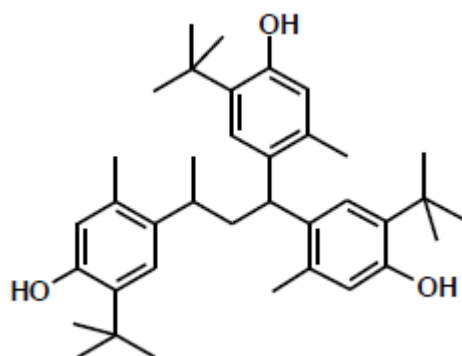
1843-03-4

EINECS-Nr.

217-420-7

Formula

LOWINOX™ CA22 stabilizer



Typical Physical Properties of LOWINOX™ CA22 stabilizer

Appearance	Powder	Fine Powder
Formula/Molecular Weight (g/mol)	545	545
Bulk Density (kg/m ³)	380	345
Melting Point [°C]	>183	>183

Solubility (g/100g solvent) @ 25°C

<i>n</i> -Hexane	<0.1	Methanol	11
Ethanol	70	Ethyl Acetate	52
Acetone	>100	Dichloromethane	0.3
Chloroform	6	Water	<0.1
Toluene	9		

Thermogravimetric analysis (10mg @ 10 K/minute under N₂)

Weight Loss [%]	5	10	25
Temperature [°C]	278	297	307

Application

LOWINOX™ CA22 stabilizer is a high performance hindered phenolic antioxidant which may be used in polyolefins including LDPE, HDPE and PP. This product has also been used effectively in flexible PVC as a stabilizer for a variety of plasticizers. **LOWINOX™ CA22 stabilizer** is also effective in hot melt adhesives and styrene copolymers. A fine powder form of this product is also available as **LOWINOX™ CA22-FP stabilizer**.

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, proper storage will permit usage of the product for 1 year from the date of receipt.

For additional handling and toxicological information, consult the SI Group Material Safety Data Sheet.