

LOWINOX™ CPL stabilizer

Phenolic Antioxidant

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Description

LOWINOX™ CPL stabilizer is a highly effective polymeric, non-discoloring phenolic antioxidant.

Chemical Name

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutene

Synonym

Butylated reaction product of p-cresol and dicyclopentadiene

CAS-Nr.

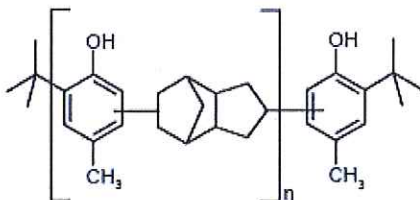
68610-51-5

EINECS-Nr.

271-867-2

Formula

LOWINOX™ CPL stabilizer



Typical Physical Properties of LOWINOX™ CPL stabilizer

Appearance	Cream colored or amber powder or pellets
Softening point [°C]	>105
Molecular weight [g/mol]	600-700
Bulk density [kg/m ³]	360 (pw) / 600 (pel)
Density @ 20 °C [g/cm ³]	ca. 1,04 (solidified melt)

Solubility (g/100g solvent) @ 25°C

n-Hexane	<0.1	Methanol	0.5
Ethyl Acetate	>100	Toluene	>100
Acetone	>100	Water	<0.1
Chloroform	76		

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

Weight Loss [%]	5	10	25
Temperature [°C]	268	290	327

Application

LOWINOX™ CPL stabilizer is an excellent non-discoloring, non-staining antioxidant, possessing high activity and low volatility. **LOWINOX™ CPL stabilizer** is highly recommended for the protection of isoprene and butadiene-based polymers. **LOWINOX™ CPL stabilizer** is also recommended for the stabilization of natural rubber and latex, SBR and caboxylated SBR latices, ABS, ASA, MBS, SBS, SIS, CR, NBR, BR and for tackifiers, adhesives and sealants. **LOWINOX™ CPL stabilizer** is highly resistant to extraction by washing and boiling making it especially suitable for use in rubber threads and latex for carpet backing and foams. **LOWINOX™ CPL stabilizer** can be prepared as an aqueous dispersion for easier handling and addition to water-based systems. For more detailed advice on applications please contact your local SI Group sales representative.

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 stated otherwise, 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.