

LOWINOX™ WSP stabilizer

Phenolic Antioxidant

Description

LOWINOX™ WSP stabilizer is a non-staining phenolic antioxidant

Chemical Name

2,2'-methylenebis[6-(1-methylcyclohexyl)-p-cresol]

CAS-Number:

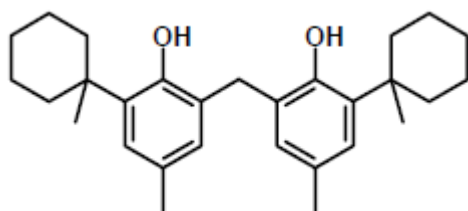
77-62-3

EINECS-Number:

201-044-5

Formula

LOWINOX™ WSP stabilizer



Typical physical properties of LOWINOX™ WSP stabilizer

Appearance	Fine, slightly dusting crystalline powder
Melting point, °C	132-137
Molecular weight [g/mol]	421
Bulk density [kg/m ³]	360
Compacted bulk density [kg/m ³]	470-500

Solubility (g/100g solvent) @ 25°C

n-Hexane	<2	Chloroform	42
Methanol	3	Toluene	24
Acetone	>100	Water	<0.1

Thermogravimetric Analysis (10 mg @ 10°C/minutes under N₂)

Weight Loss [%]	5	10	25
Temperature [°C]	237	253	278

Application

LOWINOX™ WSP stabilizer combines excellent non-staining, non-discoloring properties with outstanding antioxidant protection in a wide range of elastomers, polyolefins and other plastics. It also offers good protection against degradation due to copper contamination. Aqueous dispersions can be made for latex applications. The heat-aging resistance it confers is of value in articles intended for steam sterilization. The transitory non-migratory pink discoloration may develop under some conditions. Typical dosage for polyethylene is 0.05-0.10 phr and for elastomers 0.5-1.0 phr.

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.