

## LOWINOX<sup>®</sup> GP45 stabilizer

### Phenolic Antioxidant

#### Description

LOWINOX<sup>®</sup> GP45 stabilizer is a high molecular weight hindered phenolic antioxidant that provides very low volatility and excellent resistance to extraction from polymer compounds.

#### Chemical Name

Triethyleneglycol-bis[3-(3-t-butyl-4-hydroxy-5-methylphenyl)propionate]

#### CAS-Number:

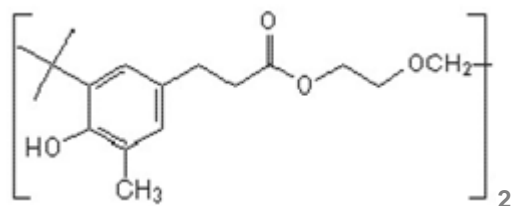
36443-68-2

#### EINECS-Number:

253-039-2

#### Formula

LOWINOX<sup>®</sup> GP45 stabilizer



#### Typical physical properties of LOWINOX<sup>®</sup> GP45 stabilizer

Appearance	White powder or granules
Bulk density, kg/m <sup>3</sup>	400 (pw) / 530 (gr)
Molecular weight	587
Melting range, °C	76-79

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

Weight Loss [%]	5	10	25
Temperature [°C]	297	312	332

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### Solubility (g/100g solvent ) @ 20°C

Hexane	<0.01	Ethyl acetate	59
Acetone	>100	Methanol	11
Benzene	22	Methylene Chloride	>60
Toluene	7	Methylcyclohexane	0.1
Chloroform	>100	Water	<0.01

### Application

**LOWINOX<sup>®</sup> GP45 stabilizer** provides excellent stabilizer for polyacetal (POM), polyamides and PVC. **LOWINOX<sup>®</sup> GP45 stabilizer** is excellent for use in most styrenic polymers such as crystal polystyrene, ABS, SBS, MBS, and high impact polystyrene. **LOWINOX<sup>®</sup> GP45 stabilizer** exhibits excellent synergy when used in conjunction with thioesters such as **NAUGARD<sup>®</sup> DSTDP thioester**.

### Food Contact

This For details please contact Addivant<sup>TM</sup> 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 Addivant<sup>TM</sup> Material Safety Data Sheet.**

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