



PA

Business Unit or
Division

Polymer Additives
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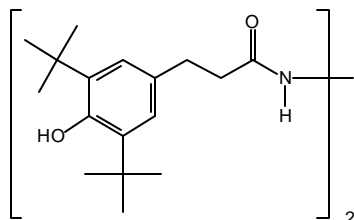
Technical Information

Product Name

Lowinox MD24 Metal Deactivator/Phenolic Antioxidant

Lowinox MD24 is a metal deactivator that additionally acts as a hindered phenolic antioxidant.

1,2-Bis(3,5-di-*tert*-butyl-4-hydroxyhydrocinnamoyl)hydrazine
CAS Reg. Number [32687-78-8]



Typical Properties

Appearance	White, free flowing solid
Bulk density, g/mL	1.11
Molecular weight	553
Melting range, °C	221 - 232

Solubility @ 20°C(g/100g solvent)

THF	12.0	Toluene	<0.01
Methylene Chloride	0.25	Water	<0.01
Acetone	>1.0	Paraffin Oil	<0.01

The presence of transition metal ions in plastics can lead to the introduction and accelerated production of degradation products. **Lowinox MD24** combines both an antioxidant and a metal deactivator for outstanding protection in a variety of polymers including polyolefins and elastomers used in applications such as wire and cable insulation. It provides excellent protection from the auto-oxidation process that can occur with the presence of trace metals in polymers from such things as catalyst residue. Its ideal melting range allows for ease of incorporation into many polymer systems without dispersion problems.



Great Lakes Chemical Corporation

LOWINOX MD24 No Dust Blends

LOWINOX MD24 can be used in conjunction with phenolic antioxidants (like Anox 20), phosphites/phosphonites, thio-synergists and other coadditives. The compatibility of the product with these coadditives is very good.

Tailor-made No Dust Blends containing all necessary stabilizers and additives could be made available for targeted applications. These NDB's offer following benefits:

- Industrial hygiene
- Accurate composition
- Good dispensability
- Improved logistics

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, proper storage will permit usage of the product for 6 to 12 months from the date of receipt. For additional handling and toxicological information, consult the GLCC Material Safety Data Sheet.