

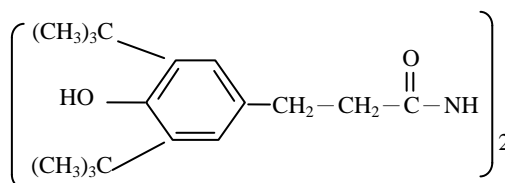
EVERNOX[®] MD-1024

Phenolic Antioxidant, metal deactivator

Chemical Name 2',3-bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionyl] propionohydrazide

Formula C₃₄H₅₂N₂O₄

Structure



Molecular Weight 552.8

CAS Number 32687-78-8

Specification	<u>Criterion</u>	<u>Requirement</u>
	Appearance	White, to off-white powder
	Ash content	0.1% max
	Heat loss	0.5% max
	Transmittance (2g in 100 ml Methanol)	at 425 nm 96.0% min at 500 nm 98.0% min
	Assay (By HPLC)	99.0% min

Physical Properties

Melting range (°C)	221.0°C -232.0°C
Flash point (°C)	> 356°F
Solubility (20°C)	g/100g
THF	12.0
Acetone	4
Chloroform	0.4
Methanol	4
Ethyl acetate	0.5
Methylene Chloride	0.25
Toluene	<0.01
Water	<0.01

Weight loss (TGA, in air at 20°C/min)

Temp.(°C) at 2 % weight loss	253°C
Temp.(°C) at 10 % weight loss	290°C

Applications	Highly efficient hindered phenolic antioxidant and metal deactivator for polyolefins and certain thermo-plastic elastomers utilized as primary insulation in contact with copper.
Handling & Safety	EVERNOX MD-1024 should be handled with care and prevent contamination of the environment. Avoid dust formation and ignition sources. For more detailed information please refer to the material safety data sheet.
Packing	The following packages are available upon customer's request : (1) 40 kgs fiber drum. (2) Other specific request.
Transportation	EVERNOX MD-1024 is not dangerous materials according to the transportation regulations.
Storage	EVERNOX MD-1024 be stored under suitable conditions (dry & cool). Maximum recommended storage time from the date of analysis : 24 months.



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