

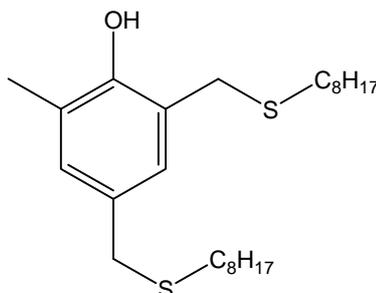
EVERNOX[®]-1520

Phenolic Liquid Antioxidant for Manufacturing, Processing and Long-Term Thermal Stabilization

Chemical Name 4,6-bis(octylthiomethyl)-o-cresol

Formula C₂₅H₄₄OS₂

Structure



Molecular Weight 424.7 g/mol

CAS Number 110553-27-0

Specification	<u>Criterion</u>	<u>Requirement</u>
	Appearance	low viscosity pale yellow liquid
	Clarity of solution	Clear
	Transmittance	at 425 nm : 97.0% min
	Transmission after NaOMe	at 425 nm : 95.0% min
	Assay	96.0% min

Physical Properties

Melting range (°C)	~ 14
Flash point (°C)	> 200
Density (20°C)	0.98 g/cm ³
Vapor Pressure (25°C)	2 E-5 Pa
Solubility / miscibility (20°C)	% w/w
Acetone	>50
Chloroforme	>50
Ethanole	>50
Ethyl acetate	>50
n-Hexane	>50
Methanole	>50
Methylene chloride	>50
Toluene	>50
Water	<0.01

Applications

EVERNOX-1520 is a multifunctional liquid phenolic antioxidant with highly effective stabilization for organic materials such as elastomers, plastics, adhesives sealants, oils and lubricants. It protects these materials against thermo-oxidative degradation. It can be applied for emulsion and solution polymerized elastomers such as BR, SBR, NBR, SBS, and others.

EVERNOX-1520 is effective both as a raw elastomer and compound stabilizer. It also effectively protects various adhesive, sealant, and latex applications. It is non-discoloring, non-staining, low in volatility, and stable to light and heat. It is not recommended for odor sensitive hot melt adhesives or their raw materials.

EVERNOX-1520 can be used alone at low levels without co-stabilizers to provide both processing and long-terms heat aging stability. If needed, it also can be used with other additives such as secondary antioxidants, benzofuranone, light stabilizers, and other functional stabilizers. The effectiveness of this product used in a wide range of elastomers is exceptional along with extensive food contact approvals.

Handling & Safety

EVERNOX-1520 should be handled with care and prevent contamination of the environment.

For more detailed information please refer to the material safety data sheet.

Packing

The following packages are available upon customer's request :

- (1) 25-kg plastic container.
- (2) 200-kg iron drum.
- (3) Other specific request.

Transportation

EVERNOX-1520 is not dangerous materials according to the transportation regulations.

Storage

EVERNOX-1520 should be stored under suitable conditions (dry & cool).



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