

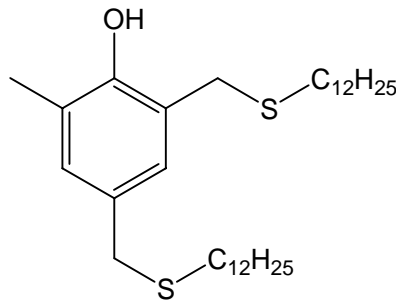
# EVERNOX<sup>®</sup>-1726

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

**Chemical Name** 4,6-bis (dodecylthiomethyl)-o-cresol

**Formula** C<sub>33</sub>H<sub>60</sub>OS<sub>2</sub>

**Structure**



**Molecular Weight** 536.96 g/mol

**CAS Number** 110675-26-8

<b>Specification</b>	<u>Criterion</u>	<u>Requirement</u>
	Appearance	White to slightly yellow solid
	Clarity of solution	Clear
	Transmittance	at 425 nm : 97.0% min
	Assay	96.0% min

## Physical Properties

Melting range (°C)	28
Flash point (°C)	232
Specific gravity (40°C)	0.934 g/cm <sup>3</sup>
Vapor Pressure (25°C)	1.8 E -19 Pa
Solubility / miscibility (20°C)	% w/w
Acetone	>50
Cyclohexane	>50
Ethylacetate	>50
n-Hexane	>50
Methanol	1
Toluene	>50
Water	<0.1

## Applications

EVERNOX-1726 is a sterically hindered phenolic antioxidant with highly effective stabilization for organic materials. It protects these materials against thermo-oxidative degradation. EVERNOX-1726 can be applied particularly in adhesives, especially Hot Melt Adhesives (HMA) based on unsaturated polymers such as SBS or SIS, and Solvent Born Adhesives (SBA) of elastomers such as Natural Rubber NR, Chloroprene Rubber CR, SBR, etc., as well as Water Born Adhesives.

EVERNOX-1726 is also suitable for the stabilization of block-copolymers such as that of Polyurethane products like PUR sealants. It effectively protects the substrate against thermo-oxidative degradation. It is non-discoloring, non-staining, low in volatility, resistant to extraction, and stable to light and heat.

EVERNOX-1726 can be used alone at low levels without costabilizers to provide both processing and long-terms heat aging stability. If needed, it also be used with other additives such as primary and/or secondary antioxidants, carbon center radicals, light stabilizers, and other functional stabilizers and fillers. The effectiveness of this product used in adhesives, block-copolymers and PUR products is exceptional.

## Handling & Safety

EVERNOX-1726 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) 20-kg paper bag.
- (2) 25-kg × 2 PE bag in the carton box.
- (3) 50-kg fiber drum.
- (4) Other specific request.

## Transportation

EVERNOX-1726 is not dangerous materials according to the transportation regulations.

## Storage

EVERNOX-1726 should be stored under suitable conditions (dry & cool).



**妙春實業股份有限公司**

**EVERSPRING CHEMICAL CO., LTD.**

台中市工業區 24 路 4 號

4, 24<sup>th</sup> Road, Industrial Park, Taichung, Taiwan

Tel : +886-4-23592448 Fax : +886-4-23593163

E-mail : [everspring@seed.net.tw](mailto:everspring@seed.net.tw)

Web site : [www.everspringchem.com.tw](http://www.everspringchem.com.tw)