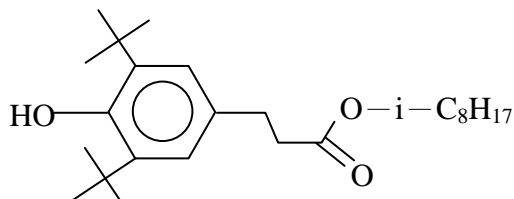


# EVERNOX<sup>®</sup> 1135

## Phenolic Primary Antioxidant for Processing and Long-Term Thermal Stabilization

**Chemical Name** Benzenepropanoic acid, 3,5-bis(1,1-dimethyl-ethyl)-4-hydroxy-.C7-C9 branched alkyl esters

### Structure



**Molecular Weight** 390 g/mol

**CAS Number** 125643-61-0

<b>Specification</b>	<b>Criterion</b>	<b>Requirement</b>
	Appearance	colorless to slightly yellow liquid
	Gardner color	2.0 max.
	Transmittance (%) at 425 nm	97.0% min.
	Transmittance (%) at 500 nm	98.0% min.
	Assay (%)	98.0% min.

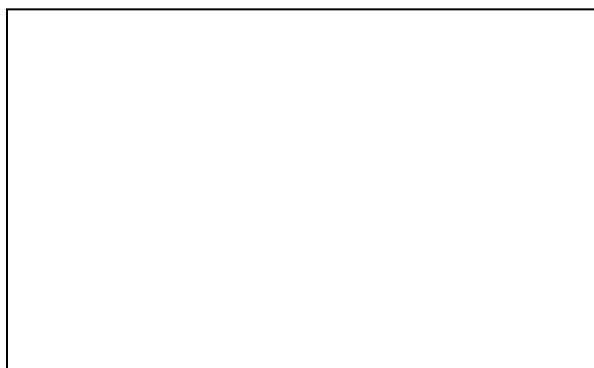
### Physical Properties

Specific Gravity (25°C)	0.940-1.000 g/cm <sup>3</sup>
Vapor Pressure(25°C)	1.5E-3 Pa
Viscosity (25°C)	300-500 cSt
Viscosity (40°C)	95-150 cSt
Melting Range	<-6°C
Boiling Point	>200°C
Flash Point (°C)(Closed Cup)	152°C
Solubility (20°C)	% w/w
water	<0.01
acetone	>50
benzene	>50
chloroform	>50
1,1-dichloromethane	>50
ethyl acetate	>50
methanol	>50

Volatility (TGA, in air at 20°C/min)

Temp.(°C) at 1 % weight loss	160°C
Temp.(°C) at 10 % weight loss	200°C

<b>Applications</b>	For the stabilization of polyurethane flexible slabstock foams, EVERNOX-1135 prevents the formation of peroxides in the polyol during storage, transport, and further protects against scorching during foaming.
<b>Handling &amp; Safety</b>	EVERNOX-1135 should be handled with care and prevent contamination of the environment. For more detailed information, please refer to the material safety data sheet.
<b>Packing</b>	The following packages are available upon customer's request : (1) 190-kg iron drum. (2) Other specific request.
<b>Transportation</b>	EVERNOX-1135 is not a dangerous material according to the transportation regulations.
<b>Storage</b>	No special safety measures are required. Usual precautions for handling chemicals are observed.



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