

ANOX[®] 1315 stabilizer

Phenolic Antioxidant

Description

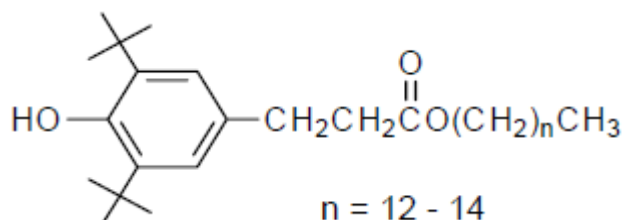
ANOX[®] 1315 stabilizer is a highly effective, non-discoloring, liquid hindered phenol antioxidant.

Chemical Structure

3,5-Bis(1,1-dimethylethyl)-4-hydroxy-benzenepropanoic acid, C₁₃₋₁₅ alkyl esters

CAS Reg. Number:

171090-93-0



Typical physical properties of ANOX[®] 1315 stabilizer

Appearance	Viscous, clear yellow liquid
Bulk density, g/ml	0.93
Melting point, °C	-56
Specific Gravity @ 20°C	0.94
Viscosity @ 30°C, mPa/sec	~200
Flash point, °C	229

Thermogravimetric Analysis (10 mg @ 10°C/minute under N₂)

Weight Loss [%]	5	10	25
Temperature [°C]	219	230	268

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Features

- Easy to handle low-viscosity liquid antioxidant
- Alkyl chain adds great compatibility and solubility to various substrates, rendering the product highly flexible in its uses

Applications

- Excellent antioxidant for polymers (i.e., PVC, PE, ABS, SBR, BR, and NBR)
- Excellent antioxidant for lubricating oils, both engine and cutting
- For use in polyols for polyurethane foams for storage and scorch protection because of its favorable volatility

Food Contact Regulatory Status

ANOX[®] 1315 stabilizer is regulated for food contact applications under US FDA 21 CFR as follows:

178.2010	Antioxidants and Stabilizers for Polymers Levels not to exceed 1.0% by weight for all polymers in contact with aqueous, low alcohol, acidic or dry foods. Levels not to exceed 0.2% by weight for all repeat use polymers (except low density and linear low density polyethylene) in contact with fatty foods.
175.105	Adhesives
175.300	Resinous and Polymeric Coatings
177.1210	Closures with Sealing Gaskets for Food Containers
177.2600	Rubber Articles Intended for Repeated Use.

Must follow specific limitations and specifications set forth in 21 CFR 178.2010.

For further information on the food contact regulations for **ANOX[®] 1315 stabilizer** please contact the Addivant[™] Chemical Regulatory Affairs Department.

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