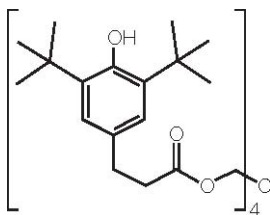


### Description

ETHANOX 310 (tin-free) antioxidant is a highly effective, nonn coloring, odorless antioxidant. It has very low volatility, functions at high process temperatures and provides good long-term protection. ETHANOX 310 antioxidant is useful in stabilizing polyolefins and other plastics, elastomers, adhesives, resins, oils, and other organic substrates subject to oxidation. ETHANOX 310 antioxidant is approved by the FDA for use in indirect food contact applications\*. It can be used in combination with phosphites or thioethers, acid neutralizers, UV stabilizers, and other functional additives, and is free of tin.



PENTERYTHRITOL TETRAKIS  
(3-(3,5-DI-T-BUTYL-4-HYDROXYPHENYL)PROPIONATE)

### Typical Properties\*

#### ETHANOX 310 Antioxidant

Form .....	white crystalline powder
Flash point, open cup, °C .....	280
Molecular weight .....	1177.7
Melting range, °C .....	110-125
Aerated bulk density, g/ml .....	0.55

#### ETHANOX 310P Antioxidant

Form .....	white to off-white pellets
Flash point, open cup, °C .....	280
Molecular weight .....	1177.7
Melting range, °C .....	110-125
Aerated bulk density, g/ml .....	0.55

*\*Presented for information purposes only. To obtain a copy of the sales specifications, FDA status or use guidelines for this product, please contact an Albemarle representative*

### Solubility (wt % @ 20 °C)

Acetone.....	47
Methylenechloride.....	63
Ethanol .....	1.5
Toluene .....	60
n-Hexane.....	0.3
Water .....	< 0.01
Methanol .....	0.9

### Shipping Information

### Container Information

20kg PE bags  
500kg supersacks  
50kg fiber drums

### Transportation Classification

Not regulated for transportation

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### Chemical Registration Numbers

CAS: 6683-19-8  
MITI: 3-1693

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### Safety and Handling Information

ETHANOX 310 antioxidant should be handled with care to prevent contamination of the environment. Crystalline compounds containing phenolic groups are known to have severe dust explosivity ratings. See material safety data sheet for handling information. For specific information on the safe handling of this product, please refer to the material safety data sheet. Copies are available upon request.

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The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.



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