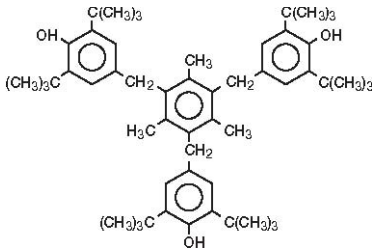
ALBEMARLE® ETHANOX® 330 & 330G Antioxidant

Description

ETHANOX 330 antioxidant is a highly effective, non coloring, odorless antioxidant for plastics, resins, elastomers and waxes. It has exceptionally low volatility and is outstanding in applications requiring high processing temperatures. It is safe and effective for use in a wide variety of polymers. If your polymer is sanctioned by the FDA for use in indirect food contact, that sanction will be maintained with the use of ETHANOX 330 antioxidant. Its superior effectiveness and overall stability means that its use in most polymers greatly improves their capacity to process without degradation and to stand up to demanding long-term applications.

ETHANOX 330G antioxidant is a free-flowing, non-dusting, easy-to-use granular form of this very effective product. The product contains no binders.



1, 3, 5-TRIMETHYL-2,4,6-TRIS (3,5-DI-TERT-BUTYL-4-HYDROXYBENZYL) BENZENE

Typical Properties*

ETHANOX 330 Antioxidant

Form	crystalliner powder
Color	white
Vapor pressure, mm Hg @ 300 °C	< 0.5
Molecular weight	775.2
Melting point, °F (°C)	471 (244)
Bulk density, g/cc, aerated	0.500
Bulk density, g/cc, packed	0.745

ETHANOX 330G Antioxidant

Form	granular
Color	white
Vapor pressure, mm Hg @ 300 °C	< 0.5
Molecular weight	775.2
Melting point, °F (°C)	471 (244)
Bulk density, g/cc, aerated	0.49
Bulk density, g/cc, packed	0.52

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

Solubility (wt % @ 20 °C)	Acetone ..... 23.0 Cyclohexane ..... 7.5 Dimethylformamide ..... 54.0 n-Heptane..... 1.0 n-Hexane..... 1.7 Methanol..... 0.2 Methylene chloride..... 47.0 Styrene monomer ..... 23.0 Toluene ..... 36.0 Water ..... insoluble
Shipping Information	**Container Information** 20kg PE bags 500kg supersacks 50kg fiber drums **Transportation Classification** Not regulated for transportation
Chemical Registration Numbers	CAS: 1709-70-2 MITI: 4-191
Safety and Handling Information	ETHANOX 330 and 330G antioxidants are relatively harmless orally, practically nontoxic by skin absorption and no more than slightly irritating to intact or abraded skin. Acute oral LD50 is >15 grams/kg of body weight. The use of ETHANOX 330 and 330G antioxidants are allowed by the FDA in all polymers for food contact applications subject to the limitations provided in 21 CFR, §178.2010. Crystalline compounds containing phenolic groups are known to have severe dust explosivity ratings. See material safety data sheets 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.
Responsible Care	Albemarle is committed to the safety and well-being of our customers, employees and the community at large. Material safety data sheets (MSDS) are available upon request.

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.

ALBEMARLE®

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