



Albemarle Corporation
Material Safety Data Sheet
451 Florida Street, Baton Rouge, LA 70801
For Emergencies Only - Phone (225) 344-7147
For Non-Emergency Health & Safety Phone 1-800-535-3030
Representing Albemarle Foreign Sales Corporation
for Export Sales

ISSUE DATE: 12/04/08
SUPERSEDES: 12/12/05
HMIS CLASSIFICATIONS:
HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0

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PRODUCT IDENTIFICATION

PRODUCT NAME: ETHANOX 376 Antioxidant
CHEMICAL NAME: Octadecyl-3,5-di-tert-butyl-4-Hydroxy
hydrocinnamate
CAS NO.: 2082-79-3
CHEMICAL FORMULA: C35H62O3
ETHANOX is a registered trademark of Albemarle Corporation.

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SUMMARY OF HAZARDS

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COMPONENTS

CHEMICAL NAME	CAS NO.	NOTE	EXPOSURE LIMIT
Octadecyl-3,5-di-tert-butyl-4-hydroxy hydrocinnamate	2082-79-3	ND	Not established by OSHA/ACGIH.

NOTE: Carcinogenicity listing of components at concentrations greater than or equal to 0.1% indicated by: @=NTP; #=IARC; &=OSHA; +=ACGIH; *=OTHER; ND=Not Designated.

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CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE/ODOR: White powder.
VAPOR PRESSURE: <10⁻⁶ torr @20C/68F.
SOLUBILITY IN WATER: Negligible @ 23C/73F.
SPECIFIC GRAVITY: 1.02 @ 20C/68F.

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PERCENT VOLATILE: 0.1%

MELTING POINT: 50-55C/122-131F (Range).

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FIRE AND EXPLOSION HAZARDS

FLASH POINT(METHOD): 262C/504F (Open Cup).

FLAMMABLE LIMITS: Not applicable.

EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam
or carbon dioxide.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Include oxides of
carbon.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid breathing smoke or
fumes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Compounds containing
phenolic groups are known to have a severe dust
explosivity rating. See 'Additional Precautions'
section for safety measures.

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REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Extremely high temperatures.

MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

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HEALTH HAZARDS

INHALATION: Do not breathe fumes from fires or decomposition.

EYE CONTACT: Not expected to be an eye irritant.

SKIN CONTACT: Not expected to be a skin irritant.

INGESTION: Not expected to be a primary route of exposure.

TOXICITY DATA: ORAL LD50 (rats): >5,000 mg/kg (min.).
DERMAL LD50 (rabbits): >2,000 mg/kg (min.).

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EMERGENCY FIRST AID PROCEDURES

INHALATION: If inhaled, remove to fresh air.

EYE CONTACT: Begin immediate eye irrigation with cool water.

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SKIN CONTACT: Wash contaminated areas with soap and water.
Wash clothing before reuse.

INGESTION: If swallowed, give two glasses of water.

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EXPOSURE CONTROL INFORMATION

EXPOSURE LIMITS: Not established by OSHA/ACGIH.

EYE PROTECTION: Chemical goggles or safety glasses.

PROTECTIVE GLOVES: Resistant to chemical penetration.

RESPIRATORY PROTECTION: NIOSH approved dust/mist respirator.

MECHANICAL VENTILATION: Recommended.

LOCAL EXHAUST VENTILATION: At source of dust.

OTHER: If repeated or prolonged skin contact or
contamination of clothing is likely, protective clothing
should be worn.

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ENVIRONMENTAL PROTECTION

SPIILLS OR LEAKS: Sweep or shovel spills into appropriate
container for disposal.

DISPOSAL METHODS: Under the CERCLA/RCRA regulations
currently in effect, this product is not regulated as a
hazardous waste or material. Therefore, it may be
disposed of as an industrial waste in a manner
acceptable to good waste management practice and in
compliance with applicable local, state and federal
regulations.

STORAGE REQUIREMENTS: Store in cool, dry area.

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ADDITIONAL PRECAUTIONS OR COMMENTS

Employ bonding, grounding, venting, and explosion relief
provisions in accord with accepted engineering practices
in process operations capable of generating dust and/or
static electricity. Explosion hazard can be reduced by
good housekeeping, prevention of the escape of dust from
process equipment, and prevention of accumulation of
dust on overhead, horizontal surfaces. In addition, a
continuing effort should be made to control ignition
sources.

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REGULATORY INFORMATION

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TSCA:

THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (15 USC 2601 - 2629).

DOT DESCRIPTION/PROPER SHIPPING NAME:

Not regulated for transportation.

DOT HAZARD CLASS: NR

DOT ID NUMBER: NA

HAZARD CATEGORIES FOR SARA 311/312 REPORTING ARE INDICATED BELOW:

HEALTH	Immediate (Acute)	No
HEALTH	Delayed (Chronic)	No
PHYSICAL	Fire	No
PHYSICAL	Sudden Release of Pressure	No
PHYSICAL	Reactive	No
	Nuisance Mist/Dust Only	No

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ADDRESS CONTACT INFORMATION

MSDS prepared by: Health & Environment Department
Albemarle Corporation

FOR ADDITIONAL NONEMERGENCY PRODUCT INFORMATION, CONTACT:

HEALTH AND ENVIRONMENT DEPARTMENT
ALBEMARLE CORPORATION
451 FLORIDA ST.
BATON ROUGE, LA. 70801
(800) 535-3030

THIS MATERIAL SAFETY DATA SHEET CONTAINS AT LEAST THE INFORMATION REQUIRED BY THE FEDERAL OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200(g) (2).

THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE REMAINS WITH USER. THE USER SHOULD CONSIDER THE HEALTH HAZARDS AND SAFETY INFORMATION CONTAINED HEREIN AS A GUIDE AND SHOULD TAKE THOSE PRECAUTIONS REQUIRED IN AN INDIVIDUAL OPERATION TO INSTRUCT EMPLOYEES AND TO DEVELOP WORK PRACTICE PROCEDURES FOR A SAFE WORK ENVIRONMENT.

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, BECAUSE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY THE USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

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