Yangzhou Sunchem Co.,Ltd.
Material Safety Data Sheet
Antioxidant 330

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PRODUCT IDENTIFICATION
PRODUCT NAME: ETHANOX 330 Antioxidant
CHEMICAL NAME: 1,3,5-trimethyl-2,4,6-tris (3,5-di-tertbutyl-4-hydroxybenzyl) benzene
CAS NO.: 1709-70-2
SYNONYMS: AN 330
CHEMICAL FORMULA: C54H78O3
CHEMICAL FAMILY: Substituted phenols

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SUMMARY OF HAZARDS

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COMPONENTS

CHEMICAL NAME	CAS NO.	NOTE	EXPOSURE LIMIT
1,3,5-trimethyl-2,4,6-tris (3,5-di-tert-butyl-4-hydroxy benzyl)benzene	1709-70-2	ND	See NOTE 1.

NOTE (1): The OSHA PEL for Particulates Not Otherwise Regulated is 15 mg/M3 (5 mg/M3 for respirable fraction). The ACGIH TLV for Particulates Not Otherwise Classified is 10 mg/M3 (5 mg/M3 for respirable fraction). These limits were developed for inert or nuisance dusts. Please review the Health Hazards section of this MSDS.
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
Page: 1 Emergency Phone #: (225) 344-7147 Printed: 09/15/2005
58.0.1 - ETHANOX 330 Antioxidant
APPEARANCE/ODOR: White crystalline powder/ no odor.
VAPOR PRESSURE: <1.0 mm Hg @ 20C/68F.
SOLUBILITY IN WATER: Insoluble.
MELTING POINT: 244C/471F.

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FIRE AND EXPLOSION HAZARDS
FLASH POINT(METHOD): Not applicable - solid.

FLAMMABLE LIMITS: Not established.
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam
or carbon dioxide.
HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Include oxides of
carbon.
SPECIAL FIRE FIGHTING PROCEDURES: None required.
UNUSUAL FIRE AND EXPLOSION HAZARDS: This product, as many other crystalline phenolics, can form an explosive dust air mixture and has a severe dust explosivity rating. Whenever possible, handle the product in an inert atmosphere. Avoid dust formation and eliminate exposure to ignition sources. Employ bonding, grounding,venting, and explosion relief provisions in accord with accepted engineering practices. In process operations capable of generating dust or static electrical discharges, transfer or handle only in an inert or nonflammable atmosphere. Emptying the contents of a non-conductive package into an atmosphere where flammable vapors are present could cause a fire or an explosion unless the level of oxygen present is maintained at a low enough level to limit flammability or explosivity. For further information, see the following National Fire Protection Association (NFPA) publications; 1) "Recommended Practice on Static Electricity" 1988 or latest edition, Chapter 7, Sections 8 and 9; 2) NFPA 68 "Venting of Deflagations", 1988 or latest Edition; 3) Plant Operations Progress, Vol. 7,No. 1, January 1988.
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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: Not expected to be toxic or irritating.
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.
CHRONIC EFFECTS OF OVEREXPOSURE: None known.
TOXICITY DATA: ORAL LD50 (rats:) >15,000 mg/kg. DERMAL
LD50 (rabbits): > 2,000 mg/kg.
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EMERGENCY FIRST AID PROCEDURES
INHALATION: If inhaled, remove to fresh air.
EYE CONTACT: Begin immediate eye irrigation with cool water.
SKIN CONTACT: Wash contaminated areas with soap and water.
INGESTION: If swallowed, give two glasses of water.
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EXPOSURE CONTROL INFORMATION
EXPOSURE LIMITS: See "Hazardous Components" section.

EYE PROTECTION: Chemical goggles.
PROTECTIVE GLOVES: Resistant to chemical penetration.
RESPIRATORY PROTECTION: NIOSH approved dust/mist respirator.
MECHANICAL VENTILATION: Recommended.
LOCAL EXHAUST VENTILATION: At source of dust.

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ENVIRONMENTAL PROTECTION

SPILLS OR LEAKS: Ventilate area. Remove sources of ignition.
Sweep or shovel spills into appropriate container for disposal.
DISPOSAL METHODS: To the best of Albemarle's knowledge, this product is not regulated by CERCLA/RCRA as a hazardous waste or material. However, this product has not been tested for the toxicity characteristic via the Toxicity Characteristic Leaching Procedure. 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. Due to the potential for a dust explosion,if the material is to be incinerated it should be dissolved in a suitable solvent and incinerated as a solution.
STORAGE REQUIREMENTS: Store in well-ventilated, cool, dry area. Close container when not in use.

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ADDITIONAL PRECAUTIONS OR COMMENTS

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REGULATORY INFORMATION
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.
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
FOLLOWING ARE WHMIS CLASSIFICATIONS FOR THIS PRODUCT:
NOT CONTROLLED
WHMIS ASSESSMENT DATE: 03/13/03

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ADDRESS CONTACT INFORMATION

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