



**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: 08/01/00
SUPERSEDES: New
HMIS CLASSIFICATIONS:
HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0

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PRODUCT IDENTIFICATION

PRODUCT NAME: ETHAPHOS (TM) 368
CHEMICAL NAME: Tris(2,4-di-t-butylphenyl)phosphite
CAS NO.: 31570-04-4
CHEMICAL FORMULA: C42H63O3P
CHEMICAL FAMILY: Aromatic phosphites

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SUMMARY OF HAZARDS

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OSHA HAZARDOUS COMPONENTS

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CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE/ODOR: White powder/no odor
BOILING POINT Not applicable
VAPOR PRESSURE <10(-6) Torr @20C/68F
SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY: 1.0
MOLECULAR WEIGHT: 646.9
MELTING POINT: 182-187.

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FIRE AND EXPLOSION HAZARDS

FLASH POINT (METHOD): 257C497F (TOC).

FLAMMABLE LIMITS: Not applicable.

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

SPECIAL FIRE FIGHTING PROCEDURES: Avoid breathing smoke or fumes. Use self-contained breathing apparatus.

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.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Include oxide of carbon, carbon monoxide, carbon dioxide, phosphorus oxides, and other toxic compounds.

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REACTIVITY DATA

STABILITY Stable

CONDITIONS TO AVOID: Dusting and static (explosive hazard)

MATERIALS TO AVOID: Strong oxidants, strong acids, strong bases.

HAZARDOUS POLYMERIZATION: Will not occur

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HEALTH HAZARDS

INHALATION: Not expected to be toxic or irritating 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

CHRONIC EFFECTS OF OVEREXPOSURE: None known

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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.
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

- SPILLS OR LEAKS: 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.
- STORAGE REQUIREMENTS: Store in well-ventilated, cool, dry
area. Close container when not in use.

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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

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	Yes
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

FOR EMERGENCY PRODUCT INFORMATION, CONTACT: (225) 344-7147

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.

08/01/00