

section 1 – Preparation / Product Information

manufactured for and supplied by:	telephone no:	(330) 798-9300
Harwick Standard Distribution Corporation 60 South Seiberling Street P.O. Box 9360 Akron, OH 44305-0360	date prepared:	August 16, 2001
	preparer:	Health, Safety & Environment
	product use:	Plasticizer

section 2 – Ingredients / Identity Information

components chemical identity/cas#	exposure limits			Toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
Tributoxyethyl Phosphate CAS # 78-51-3	5 mg/m ³		ACGIH 5 mg/m ³		70-80
Hydrated Amorphous Silica CAS # 7631-86-9					20-30

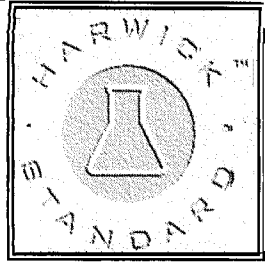
section 3 – Physical / Chemical Characteristics

boiling point:	Not Determined	specific gravity:	1.178
freezing point:	Not Determined	pH:	Not Determined
vapor pressure (mm Hg):	Not Determined	odor threshold (ppm):	Not Determined
vapor density (AIR=1):	Not Determined	coef. water/oil dist.:	Not Determined
solubility in water	Negligible	evaporation rate:	Not Determined
appearance (physical state) and odor:		Powder; Off white, beige to gray Odor; Mild	

section 4 – Fire and Explosion Hazard Data

flash point (method):	Not Determined
extinguishing media:	Use water spray, CO ₂ , foam, or dry chemical.

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special fire fighting procedures: Wear self-contained breathing apparatus and protective clothing. Not considered flammable or combustible. However, may support combustion under fire conditions and decompose to give off toxic materials. The product is self-extinguishing once the ignition source is removed.

unusual fire and explosion hazards: Products of combustion are irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema. Symptoms may be delayed several hours or longer depending upon the extent of exposure.

hmis rating: 1

hazardous combustion products: Phosphoric acid, Oxides of Phosphorus

section 5 – Reactivity Data

stability **stable:**
 unstable:

conditions to avoid (cond. of reactivity): Contact with strong acids, strong bases and strong oxidizers should be avoided.

incompatibility (materials to avoid): This product is incompatible with strong acids, strong oxidizers and strong bases.

hazardous decomposition or byproducts: Phosphoric acid, Oxides of Phosphorus.

hazardous polymerization may occur:
 will not occur:

conditions to avoid: None known

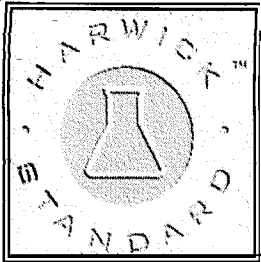
hmis rating: 0

section 6 – Health Hazard Data

primary routes of exposure

inhalation	<input checked="" type="checkbox"/>	skin contact	<input checked="" type="checkbox"/>	eye contact	<input type="checkbox"/>
skin absorption	<input type="checkbox"/>	ingestion	<input type="checkbox"/>		

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health hazards

acute: May cause skin, and eye irritation. Fumes of liquid may irritate lungs, eyes, nose, and throat. Inhalation of vapors may produce neurotoxicity and cholinesterase inhibition.

chronic: None known

carcinogenicity

NTP **IARC** **OSHA**

signs and symptoms of exposure: Symptoms of peripheral neuropathy may include: diarrhea, conjunctivitis, laryngitis, rhinitis, pharyngitis, distal extremity paresthesias, and cramping pain the calves. Later symptoms may include: flaccid paralysis followed by spasticity of the lower extremities resulting in a spastic gait. Symptoms of cholinesterase inhibition may include: headache, nausea, sweating, numbness and tingling of the hands and feet, salivation, muscle twitching, tremors, incoordination, blurred vision, tears, abdominal cramps, diarrhea, and chest discomfort.

medical conditions generally aggravated by exposure: Persons with pre-existing neuromuscular disorders may be at an increased risk from exposure to this material.

hmis rating: 2

section 7 – First Aid Measures

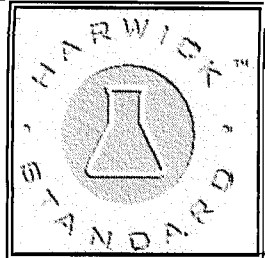
emergency and first aid procedures

inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

ingestion: Consult a physician.

skin contact: Remove contaminated clothing. Wash with soap and water. If irritation develops, consult a physician.

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eye contact: Immediately flush with water for 15 minutes. If irritation develops, consult a physician.

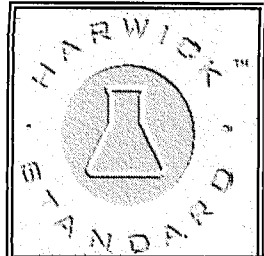
section 8 – Precautions for Safe Handling and Use

- steps to be taken in case material is released or spilled:** Sweep, vacuum, or shovel into a chemical waste container for disposal. Clean spill area thoroughly.
- waste disposal method:** In accordance with federal, state, and local regulations. Refer to Section 10.
- precautions to be taken in handling and storing:** Containers should be stored in a cool, dry, well-ventilated area away from flammable materials and sources of heat or flame.
- other precautions:** Avoid contact with eyes and skin.

section 9 – Control Measures

- respiratory protection (specify type):** A NIOSH/MSHA approved respirator above PEL or TLV, and/or an organic vapor respirator for vapors or mists.
- ventilation**
- local exhaust:** Recommended to maintain PEL/TLV and vapors/mists.
mechanical (general): Recommended to maintain PEL/TLV and vapors/mists.
- protective gloves:** Impervious
- eye protection:** Chemical goggles
- other protective clothing or equipment:** Coveralls, apron, boots, faceshield as necessary to prevent skin contact. Eyewash station and safety shower should be easily accessible.
- work/hygienic practices:** Wash thoroughly after handling

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section 10 – Additional Information

special shipping information: Not DOT Regulated

TSCA Inventory Status:
Chemical components are listed on the TSCA inventory.

sara title III
This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None known

RCRA status
The following chemical components are listed under (40 CFR 261):

None known

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