



### section 1 – Preparation / Product Information

**manufactured for and supplied by:**

**Harwick Standard Distribution Corporation**  
60 South Seiberling Street  
P.O. Box 9360  
Akron, OH 44305-0360

**telephone no: (330) 798-9300**

**date prepared:** April 24, 1998

**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		
Phosphoric acid, tris- (methylphenyl) ester	Not Established			LD50 rat/oral >5,000 mg/kg	90-100
CAS #1330-78-5				LD50 rat/dermal >10,000 mg/kg	

### section 3 – Physical / Chemical Characteristics

<b>boiling point:</b>	250°C (482°F) @ 3mm Hg	<b>specific gravity:</b>	1.16
<b>freezing point:</b>	Not Determined	<b>pH:</b>	7.0
<b>vapor pressure (mm Hg):</b>	Negligible	<b>odor threshold (ppm):</b>	Not Determined
<b>vapor density (AIR=1):</b>	Not Available	<b>coef. water/oil dist.:</b>	Not Determined
<b>solubility in water</b>	0.025 @ 20°C	<b>evaporation rate:</b>	Not Determined
<b>appearance (physical state) and odor:</b>		Liquid; Colorless Odor; None	

### section 4 – Fire and Explosion Hazard Data

**flash point (method):** 460°F/238°C (COC)

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.



**extinguishing media:** Use chemical type foam, water fog, CO<sub>2</sub>, or dry chemical.

**special fire fighting procedures:** Wear self-contained breathing apparatus and protective clothing. This product is a nonflammable substance, however, hazardous decomposition products may be formed in a fire situation. Cool exposed containers with water spray to prevent overheating.

**unusual fire and explosion hazards:** None known

**hmis rating:** 1

**hazardous combustion products:** CO<sub>x</sub>, PO<sub>x</sub>

### section 5 – Reactivity Data

**stability**                    **stable:**          
                                  **unstable:**   

**conditions to avoid (cond. of reactivity):** Heat

**incompatibility (materials to avoid):** Strong Oxidizers

**hazardous decomposition or byproducts:** CO<sub>x</sub>, PO<sub>x</sub> and acids of phosphorus

**hazardous polymerization**        may occur:   
   will not occur:

**conditions to avoid:** None known

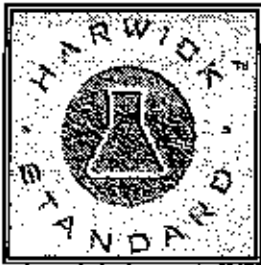
**hmis rating:** 0

### section 6 – Health Hazard Data

#### *primary routes of exposure*

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

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.



**health hazards**

**acute:** May cause redness and possible itching and/or tearing of the eyes. May cause possible redness and/or itching of the skin. Inhalation may cause possible coughing, burning, tightness of chest and/or shortness of breath. Ingestion may cause possible nausea and/or vomiting. Contains material which may cause gastrointestinal tract and respiratory tract effects based on animal data.

**chronic:** Reported to be a reproductive toxin at administered dose levels of equal and greater than 0.1% in the diet for male and female mice. Both sexes resulted in impaired fertility.

**carcinogenicity**

NTP  IARC  OSHA

**signs and symptoms of exposure:** See Health Hazards above.

**medical conditions generally aggravated by exposure:** None known

**hmis rating:** 1

**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:** Wash with soap and water. If irritation develops, consult a physician.

**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:**

Construct temporary dikes of dirt, sand or any appropriate readily available material to prevent spreading of material. Remove containers of strong oxidizers from release area.

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.



Absorb on diatomaceous earth or equivalent inert material. Shovel up and place in container for reuse or disposal. Avoid runoff to sewer or waterways. Contact the National Response Center (800-424-8802) if necessary.

**waste disposal method:** In accordance with federal, state, and local regulations. Refer to Section X.

**precautions to be taken in handling and storing:** Handle in a well-ventilated area. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices. Store in unopened containers under cool and dry conditions. Do not store with, or close to oxidizers.

**other precautions:** Avoid contact with eyes, skin, and clothing.

## 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:** Eyewash station and safety shower

**work/hygienic practices:** Wash thoroughly after handling

## section 10 – Additional Information

**special shipping information:** Environmentally Hazardous Substances, Liquid, n.o.s., (tricresyl phosphate), 9, UN 3082, III, Marine Pollutant.

### **TSCA Inventory Status:**

Chemical components are listed on the TSCA inventory.

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.



**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

---

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.