

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: May 4, 2000

preparer: Health, Safety & Environment

product use: Rubber Additive

section 2 – Ingredients / Identity Information

components chemical identity/cas#	exposure limits			Toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
Tris (2,4-di-tert-butylphenyl)phosphite CAS# 31570-04-4	Not Established			LD50 rat/oral 2000 mg/kg	90-100

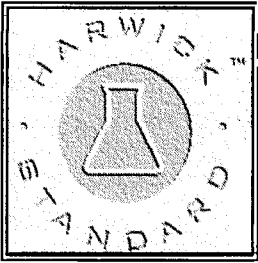
section 3 – Physical / Chemical Characteristics

boiling point:	Not Determined	specific gravity:	1.14
melting point:	181°C	pH:	Not Determined
vapor pressure (mm Hg):	Not Determined	odor threshold (ppm):	Not Determined
vapor density (AIR=1):	>1	coef. water/oil dist.:	Not Determined
solubility in water	Insoluble	evaporation rate:	Not Determined
appearance (physical state) and odor:		Solid; White Odor; Odorless	

section 4 – Fire and Explosion Hazard Data

flash point (method):	302 °F (OC)
extinguishing media:	Use CO ₂ , foam, water, and dry chemical.

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special fire fighting procedures: Wear self-contained breathing apparatus and protective clothing. Move exposed containers from fire area if possible. Use water to keep fire-exposed containers cool.

unusual fire and explosion hazards: Heavy dusting conditions may cause explosion hazard. Care should be taken to avoid dust generation during handling. May be combustible at high temperatures. Auto-ignition temperature: 716 °F

hmis rating: 1

hazardous combustion products: CO_x

section 5 – Reactivity Data

stability **stable:**
 unstable:

conditions to avoid (cond. of reactivity): None known

incompatibility (materials to avoid): Strong oxidizing agents and acids.

hazardous decomposition or byproducts: CO_x

hazardous polymerization may occur:
 will not occur:

conditions to avoid: None Known

hmis rating: 0

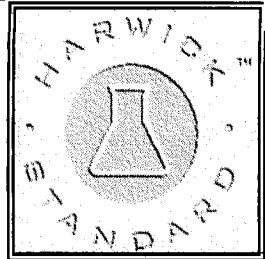
section 6 – Health Hazard Data

primary routes of exposure
inhalation **skin contact** **eye contact**
skin absorption **ingestion**

health hazards

acute: None Known
chronic: Repeated or prolonged exposure to the substance can produce target organ damage.

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carcinogenicity

NTP

IARC

OSHA

signs and symptoms of exposure: See Health Hazards above.

medical conditions generally aggravated by exposure: None Known

hmis rating: 0*

section 7 – First Aid Measures

emergency and first aid procedures

inhalation: Remove from exposure immediately. Allow the victim to rest in a well-ventilated area. Consult a physician.

ingestion: Induce vomiting by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Consult a physician.

skin contact: None Known.

eye contact: Rinse with large quantities of water for several minutes. If irritation develops, consult a physician.

section 8 – Precautions for Safe Handling and Use

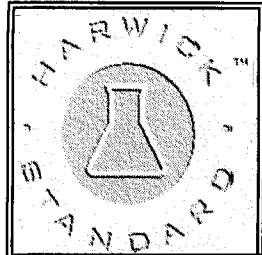
steps to be taken in case material is released or spilled: Wear proper OSHA protective equipment. Sweep up spilled material with a minimum of dusting or vacuum with a filtered outlet vacuuming system. Place the resulting waste in a suitable container for reuse or disposal.

waste disposal method: In accordance with federal, state, and local regulations. Refer to Section 10.

precautions to be taken in handling and storing: Store in a cool, dry, well ventilated storage area. Do not store near oxidizing agents or strong acids. Do not generate dust. Dust may cause explosion hazard.

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

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section 9 – Control Measures

- respiratory protection (specify type):** necessary. A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.
- ventilation**
 - local exhaust:** Recommended to minimize exposure.
 - mechanical (general):** Recommended to minimize exposure.
- protective gloves:** Impervious
- eye protection:** Safety glasses or goggles for dusty conditions.
- other protective clothing or equipment:** Eyewash station, rubber apron
- work/hygienic practices:** drinking, or using rest room. Wash thoroughly after handling and before eating,

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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