

### 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:** September 3, 2003

**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		
Bis(4-octylphenyl)amine  CAS #101-67-7	Not Established			LD50 rat/oral >5000 g/kg	80-100

### section 3 – Physical / Chemical Characteristics

<b>boiling point:</b>	Not Determined	<b>specific gravity:</b>	Not Determined
<b>freezing point:</b>	185°F (85°C)	<b>pH:</b>	Not Determined
<b>vapor pressure (mm Hg):</b>	Not Determined	<b>odor threshold (ppm):</b>	Not Determined
<b>vapor density (AIR=1):</b>	Not Determined	<b>coef. water/oil dist.:</b>	Not Determined
<b>solubility in water</b>	Insoluble	<b>evaporation rate:</b>	Not Determined
<b>appearance (physical state) and odor:</b>		Solid - pastille; yellow to pale brown Odor; Characteristic	

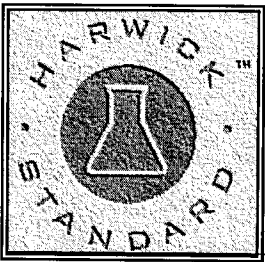
### section 4 – Fire and Explosion Hazard Data

**flash point (method):** 482°F (250°C)

**extinguishing media:** CO<sub>2</sub>, foam, chemical powder.

**special fire fighting procedures:** Wear self-contained breathing apparatus and protective clothing. Protect against inhalation of combustion products.

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**unusual fire and explosion hazards:** May form explosive dust-air mixtures.

**hmis rating:** 1

**hazardous combustion products:** CO<sub>x</sub>, NO<sub>x</sub>

### section 5 – Reactivity Data

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

**conditions to avoid (cond. of reactivity):** Strong oxidizing agents

**hazardous decomposition or byproducts:** CO<sub>x</sub>, NO<sub>x</sub>

**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*

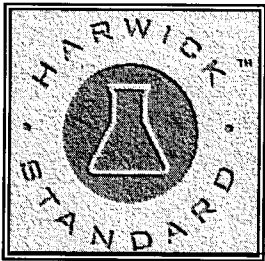
**acute:** May cause irritation to the eyes. Dust may be irritating to the respiratory tract and cause symptoms of bronchitis.

**chronic:** None known

#### *carcinogenicity*

**NTP**                          **IARC**                          **OSHA**   

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**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:** If ingested drink ½ liter (16 oz) lukewarm water, do not induce vomiting. Consult a physician.

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

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

## section 8 – Precautions for Safe Handling and Use

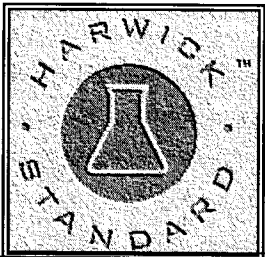
**steps to be taken in case material is released or spilled:** Vacuum up to avoid creating dust. To prevent contamination of surface and underground water, dispose in waste container. Use personal protective equipment as outlined below.

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

**precautions to be taken in handling and storing:** Store packaged good in cool, dry, well ventilated area. Do not expose to direct sunlight and temperatures above 45°C

**other precautions:** Avoid contact with eyes, skin, and clothing. Although product is sold in pastille form, not as powder, it is necessary to protect against dusting during application into rubber mixtures. May form explosive dust-air mixtures. Inertize container.

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### section 9 – Control Measures

**respiratory protection (specify type):** 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, goggles

**other protective clothing or equipment:** Eyewash station and safety shower, boots

**work/hygienic practices:** Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities. Observe good personal hygiene.

### 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

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