

**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:** February 12, 2001

**preparer:** Health, Safety & Environment

**product use:** Antioxidant

**section 2 – Ingredients / Identity Information**

components chemical identity/cas#	exposure limits			Toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
Mixed diaryl-p-phenylenediamine CAS# 68953-84-4	Not Established			LD50 rat/oral 5,000mg/kg	90-100
Diphenylamine CAS# 122-39-4	Not Established	10mg/m <sup>3</sup>			
o-Toluidine CAS# 95-53-4	5ppm(skin)	2ppm(skin)			
Aniline CAS# 62-53-3	2ppm(skin)	2ppm(skin)			

**section 3 – Physical / Chemical Characteristics**

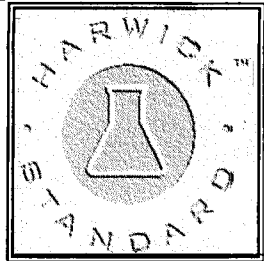
<b>boiling point:</b>	Not Determined	<b>specific gravity:</b>	1.18
<b>Melting point:</b>	90-105°C	<b>pH:</b>	Not Determined
<b>vapor pressure (mm Hg):</b>	Not Determined	<b>odor threshold (ppm):</b>	Not Determined
<b>vapor density (AIR=1):</b>	Not Determined	<b>coef. Water/oil dist.:</b>	Not Determined
<b>solubility in water</b>	Insoluble	<b>Evaporation rate:</b>	Not Determined
<b>appearance (physical state) and odor:</b>		Flakes; Blue-brown Odor; Amine	

**section 4 – Fire and Explosion Hazard Data**

**flash point (method):** Not Applicable

**extinguishing media:** CO<sub>2</sub>, Dry chemical, foam, or water spray.

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**special fire fighting procedures:** An approved, self-contained breathing apparatus should be worn.

**unusual fire and explosion hazards:** Emits acrid fumes and/or smoke. Dust may form explosive mixture with air.

**hmis rating:**

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

**section 5 – Reactivity Data**

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

**conditions to avoid (cond. of reactivity):** None Known

**incompatibility (materials to avoid):** None Known

**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**                     

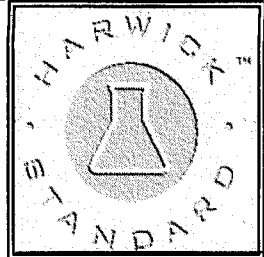
**health hazards**

**acute:** Product may irritate the eyes, skin, and respiratory system. Product may also cause an allergic skin reaction. Diphenylamine may cause reduced oxygen carrying capacity of the blood resulting in headache, light-headedness, weakness, nausea and/or drowsiness.

**chronic:** None Known

**Carcinogenicity:** o-Toluidine

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NTP  anticipated

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:** 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:**

Shovel, sweep, or vacuum into secure containers for proper disposal. Use personal protective equipment.

**waste disposal method:**

In accordance with federal, state, and local regulations. Refer to Section 10.

**precautions to be taken in handling and storing:**

Use adequate ventilation. Store away from sources of direct heat and open flame. Minimize dust formation when handling. Keep containers closed when not in use.

**other precautions:**

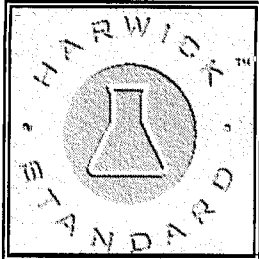
Avoid contact with skin.

### section 9 – Control Measures

**respiratory protection (specify type):**

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

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**ventilation**

**local exhaust:**

Recommended to minimize exposure.

**mechanical (general):**

Recommended to minimize exposure.

**protective gloves:**

Impervious

**eye protection:**

Safety glasses or goggles

**other protective clothing or equipment:**

Eyewash station, long sleeves

**work/hygienic practices:**

Wash thoroughly before eating or smoking.

**section 10 – Additional Information**

**special shipping information:**

None

**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:

Diphenylamine  
CAS# 122-39-4

2%

**RCRA status**

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

None known

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