



### 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 8, 2004

**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		
Diisodecyl Phthalate CAS #68515-48-0		10mg/m <sup>3</sup>	*5mg/m <sup>3</sup> TWA		90-100

### section 3 – Physical / Chemical Characteristics

<b>boiling point:</b>	482°F	<b>specific gravity:</b>	Not Determined
<b>freezing point:</b>	-50°C ASTM D97	<b>pH:</b>	Not Determined
<b>vapor pressure (mm Hg):</b>	20°C <0.01 kPa	<b>odor threshold (ppm):</b>	Not Determined
<b>vapor density (AIR=1):</b>	>1.00	<b>coef. water/oil dist.:</b>	Not Determined
<b>solubility in water</b>	20°C <0.10 wt%	<b>Evaporation rate:</b>	<0.010
<b>appearance (physical state) and odor:</b>		Liquid; Clear	
		Odor; Mild and characteristic of ester	

### section 4 – Fire and Explosion Hazard Data

**flash point (method):** 437°F/225°C ASTM D93

**extinguishing media:** Use water spray, foam, or dry chemical.

**special fire fighting procedures:** Wear self-contained breathing apparatus and protective clothing. Use water spray to cool surfaces exposed to the fire. If possible shut off the source of fuel to the fire. Avoid spraying water directly into storage containers due to danger of boil-over.

**unusual fire and explosion hazards:** Material can form flammable mixtures or can burn only on heating to temperatures at or above the flash point. Product can accumulate static charges, which can cause an incendiary electrical discharge.

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**hmis rating:** 1

**hazardous combustion products:** None known

**section 5 – Reactivity Data**

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

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

**incompatibility (materials to avoid):**            Strong oxidizing agents

**hazardous decomposition or byproducts:**     None known

**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 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 type="checkbox"/>		

**health hazards**

**acute:**            This product may irritate eyes & respiratory tract. Frequent or prolonged skin contact may cause mild skin discomfort.

**chronic:**        This product has been tested in a 2-generation toxicity study in laboratory animals. No effects on reproductive parameters were seen. However, a small but statistically significant increase in early offspring mortality was seen at high oral doses. The significance of this is uncertain.

**carcinogenicity**

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

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

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**medical conditions generally aggravated by exposure:** Individuals with chronic respiratory disorders may be adversely affected by any fume or airborne particulate matter. Persons with preexisting skin disorders may be more susceptible to the effects of this material.

**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 do not induce vomiting. Consult a physician.

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

**eye contact:** Immediately flush with large amounts of water until irritation subsides. 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:**

Contain spilled liquid with sand or earth. Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable containers for recycle 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:**

Keep container closed. Store in a cool, well-ventilated place away from incompatible materials. Do not handle or store near open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not pressurize, cut, heat, or weld containers. Do not reuse empty containers without reconditioning. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures.

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

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**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

**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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