

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: January 14, 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		
Di-92-ethylhexyl) phthalate (DEHP)	*5mg/m ³	*5mg/m ³	10mg/m ³ STEL	LD50 oral/rat 30,600 mg/kg	90-100
CAS #117-81-7				LD50 rabbit/dermal 25 mg/kg	

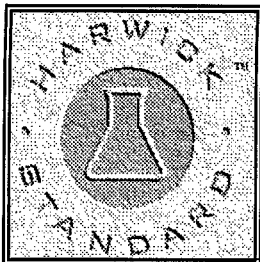
section 3 – Physical / Chemical Characteristics

boiling point:	446°F @ 1mm Hg	specific gravity:	0.983 @ 25°C
melting point:	-55°C	pH:	Not Applicable
vapor pressure (mm Hg):	<1.2 @ 200°C	odor threshold (ppm):	Not Available
vapor density (AIR=1):	13.5	coef. water/oil dist.:	Not Available
solubility in water	Negligible	evaporation rate:	< 0.005
appearance (physical state) and odor:		Liquid; Clear	
		Odor; Mild	

section 4 – Fire and Explosion Hazard Data

flash point (method): 420°F (COC)

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extinguishing media: Use water fog, foam, CO₂, or dry chemicals.

special fire fighting procedures: Wear self-contained breathing apparatus and protective clothing.
Use cold water to cool fire-exposed containers.

unusual fire and explosion hazards: The use of water to extinguish fire may cause frothing.

hmis rating: 1

hazardous combustion products: CO_x and organic acids

section 5 – Reactivity Data

stability **stable:**
 unstable:

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

incompatibility (materials to avoid): Nitrates, strong oxidizers, strong acids, & strong alkalies.

hazardous decomposition or byproducts: CO_x and organic acids

hazardous polymerization may occur:
 will not occur:

conditions to avoid: None known

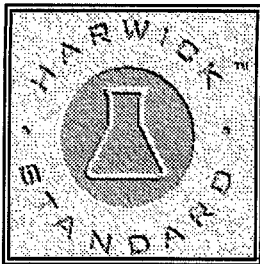
hmis rating: 0

section 6 – Health Hazard Data

primary routes of exposure

inhalation **skin contact** **eye contact**
skin absorption **ingestion**

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health hazards

acute: May cause mild eye irritation resulting in burning, tearing, redness and swelling if exposed to liquid or mist. May cause irritation to the upper respiratory tract if this product is heated, misted or sprayed, and concentrations exceed the recommended exposure limit. If ingested, may cause nausea, vomiting and diarrhea.

chronic: Product is a carcinogen. Harmful is inhaled or absorbed through skin. DEHP also causes testicular damage and reduced fertility in males and fetotoxicity and teratogenicity in pregnant female rodents.

Carcinogenicity: Di-2-ethylhexyl pythalate

NTP Anticipated human **IARC** Animal (Group 2B) **OSHA**

signs and symptoms of exposure: See Health Hazards above.

medical conditions generally aggravated by exposure: Individuals with chronic respiratory disorders may be adversely affected by any fume or airborne particulate matter exposure. Person 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

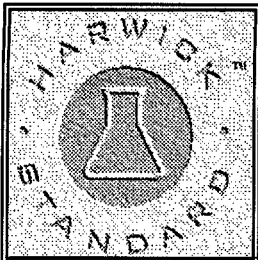
inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

ingestion: 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.

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section 8 – Precautions for Safe Handling and Use

steps to be taken in case material is released or spilled: Avoid excessive breathing of fumes. Dike spill to prevent entry into sewers and waterways. Absorb spill with sand, vermiculite or other non-biodegradable sorbent. Clean up spill and place in labeled containers for disposal. Bis(2-ethylhexyl) phthalate is on the CERCLA Hazardous Substance List and spills of reportable quantities must be reported to the National Substance List and spills of reportable quantities must be reported to the National Response Center (800-424-8802). The XERCLA reportable quantity (RQ) for DEHP is 100 lb.

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

precautions to be taken in handling and storing: Store in a well-ventilated area away from oxidizing agents and sources of heat or ignition. Follow good hygiene practices to avoid potential chronic effects. Contaminated clothing should be removed and laundered before reuse. Avoid repeated or prolonged contact with the liquid and inhalation of mists or vapors. Do not eat or smoke in areas where this material is used or stored.

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 or as necessary for organic mists and vapors.

ventilation

local exhaust: Recommended to minimize exposure.
mechanical (general): Recommended to minimize exposure.

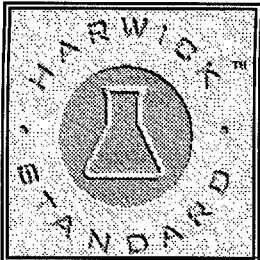
protective gloves: Impervious

eye protection: Chemical goggles

other protective clothing or equipment: Eyewash station and safety shower

work/hygienic practices: Wash thoroughly after handling

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section 10 – Additional Information

special shipping information: RQ (100 lbs.), Environmentally Hazardous Substance, liquid, n.o.s., (Bis(2-ethylhexyl) phthalate), 9, UN3082, III

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:

Di-2-ethylhexyl phthalate	90-100%
CAS #117-81-7	

RCRA status

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

Di-2-ethylhexyl phthalate (Ref. 261.33(f))	U028
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