



**HARWICK**  
S T A N D A R D

*Safety Data Sheet*  
**MERROL<sup>®</sup> DBP**  
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**SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT IDENTIFIER: MERROL<sup>®</sup> DBP**

**Other means of identification**

**Chemical name:** Dibutyl Phthalate; (DBP)

**Recommended use and restrictions on use:** Plasticizer

**Supplier information:**

**Manufactured for and supplied by:**

**Supplier:** Harwick Standard Distribution Corporation

**Supplier Address:** 60 S. Seiberling Street, Akron, OH 44305

**Contact:** Health, Safety & Environment

**Telephone:** 330-798-9300

**Website:** [www.harwickstandard.com](http://www.harwickstandard.com)

**SECTION 2 – HAZARD(S) IDENTIFICATION**

**Classification of the substance or mixture:**

Reproductive toxicity, Category 1B

Acute aquatic toxicity, Category 1

**OSHA Regulatory Status:** Classified as hazardous based on components.

**GHS Label Elements**

**Hazard Symbol:**



**Signal word:** **Danger**

**Hazard statements:**

May damage fertility or the unborn child.

Very toxic to aquatic life.

**Precautionary Statements:**

Obtain special instructions before use.



Do not handle until all safety precautions have been read and understood.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF exposed, or concerned: Get medical attention/advice.  
Collect spillage.  
Store locked up.  
Dispose of contents/container in accordance with local, state and federal regulations.

**Hazard(s) not otherwise classified (HNOC):** Not classified.

### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

**Substance/mixture:**

Chemical Name	CAS number	%
Dibutyl Phthalate	84-74-2	100

### SECTION 4 – FIRST AID MEASURES

**General Advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

**Ingestion:** If swallowed, contact physician or poison control center. Wash mouth out with water. Do not give anything by mouth to an unconscious or convulsing person. Induce vomiting only upon advice of a physician.

**Skin contact:** Remove contaminated clothing and shoes. Wash affected skin areas with soap and water. If irritation develops, seek medical attention.

**Eye contact:** Check for and remove contact lenses. Immediately flush with water for a minimum of 15 minutes, lifting upper and lower lids. If irritation develops, seek medical attention.

**Most important symptoms/effects, acute and delayed:** The most important known symptoms and effects are described in Section 2.

**Indication of immediate medical attention and special treatment needed:** No data available.

### SECTION 5 – FIRE FIGHTING MEASURES



**Suitable extinguishing method:** In case of fire, use water spray, alcohol-resistant foam, dry chemical or carbon dioxide (CO<sub>2</sub>).

**Specific hazards arising from chemical:** Carbon oxides.

**Special firefighting equipment and precautions for firefighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus for firefighting if necessary.

**Firefighting equipment/instructions:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures:**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Put on appropriate personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

### **Methods and materials for containment and cleaning up:**

Soak up with inert absorbent materials and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### **Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 7 - HANDLING AND STORAGE

**Precautions for safe handling:** Avoid inhalation of vapor or mist.

**Conditions for safe storage, including any incompatibilities:** Keep containers tightly closed in a dry, well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Occupational Exposure Limits:**

#### Dibutyl Phthalate:

US ACGIH Threshold Limit Values: Time Weighted Average (TWA): 5mg/m<sup>3</sup>

US NIOSH: Pocket Guide to Chemical Hazards: Recommended Exposure Limit (REL): 5mg/m<sup>3</sup>

US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000): PEL 5mg/m<sup>3</sup>



**Appropriate engineering controls:** If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** Safety glassed with side shields conforming to appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection:**

**Hand protection:** Handle with gloves.

**Body protection:** Impervious clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Colorless liquid
<b>Odor:</b>	Slight/Characteristic
<b>pH:</b>	Not available
<b>Boiling Point/Range:</b>	340°C(644°F)
<b>Melting Point/Range:</b>	Not available
<b>Flash Point (°C):</b>	157°C (315°F)
<b>Flammable/Explosion Limits:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Solubility:</b>	Not available
<b>Partition Coefficient: (n-octanol/water)</b>	Not available
<b>Auto-ignition Temperature:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Density:</b>	Not available
<b>Explosive Properties:</b>	Not available

## SECTION 10 - STABILITY & REACTIVITY



**Reactivity:** No data available.

**Chemical stability:** Material is stable under recommended storage and handling conditions.

**Possibility of hazardous reactions:** No data available.

**Conditions to avoid:** No data available.

**Incompatible materials:** Strong oxidizing agents. Nitrates. Bases. Acids. Chlorine.

**Hazardous decomposition products:** No data available.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

#### Acute toxicity

LD50 Oral - Rat - 8,000 mg/kg

LC50 Inhalation - Rat - 4,250 mg/m<sup>3</sup>

LD50 Dermal - Rabbit - > 20,860 mg/kg No data available

#### Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation

(OECD Test Guideline 404)

#### Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation

(OECD Test Guideline 405)

#### Respiratory or skin sensitisation

Maximisation Test (GPMT) - Guinea pig

Result: Does not cause skin

sensitisation. (OECD Test Guideline 406)

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.





(C.4-C of the COUNCIL REGULATION (EC) No 440/2008)

**Bioaccumulative potential**

Bioaccumulation

Pimephales promelas (fathead minnow) - 11 d- 0.0348 mg/l

Bioconcentration factor (BCF): 2,165 Remarks: Does not bioaccumulate.

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Disposal instructions:** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14 - TRANSPORTATION INFORMATION**

**U.S. DOT Classification:** RQ, Environmentally Hazardous Substance, Liquid, n.o.s., (Dibutyl Phthalate), 9, UN3082, III, Marine Pollutant

**SECTION 15 - REGULATORY INFORMATION**

**U.S.:**

**TSCA Inventory Status:** All chemical components are listed on or exempt from the TSCA inventory.

**SARA Sections 311 & 312 Superfund Amendments & Reauthorization Act of 1986 Title III:**

Chronic health hazard



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**SARA 313**

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:

Dibutyl Phthalate 84-74-2

**California Proposition 65:**

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**SECTION 16 - OTHER INFORMATION**

**Issue date:** 05-11-2015

**Version #:** 01

**Revision Information:** GHS Format

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