



## Safety Data Sheet (SDS)

Revision / Review Date: 3/31/15

### 1. Chemical Product and Company Identification

Product Name:	Merrox 4208 DBEP
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Di(butoxyethyl) phthalate
Common Name:	Bis(2-butoxyethyl) phthalate, 1,2-bis(2-butoxyethyl) ester
Molecular Formula:	C20H30O6
Molecular Weight via GPC, Mn:	366.45 g/mol
Product Use:	Plasticizer
OSHA Status:	Not Hazardous
CAS No:	117-83-9
EC No:	204-213-1

For emergency health, safety, and environmental information, calls 330-920-8023

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

### 2. Hazard(s) Identification

<u>Warning:</u>	Not available.
<u>Signs and Symptoms of Exposure:</u>	Irritation to the skin or eyes.
<u>Primary Routes of Entry:</u>	Eyes.
<u>Medical Conditions Generally Aggravated by Exposure:</u>	Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.
<u>Eye Contact:</u>	Contact will cause eye irritation.
<u>Skin Contact:</u>	Contact will cause skin irritation.
<u>Ingestion:</u>	May cause irritation to the digestive tract if ingested.
<u>Inhalation:</u>	May cause irritation to the respiratory tract.
<u>NFPA Rating:</u>	Health-0, Fire-1, Reactivity-0
<u>HMIS Hazard Ratings:</u>	Health- 0, Flammability - 1, Physical - 0
<u>HMIS limitation statement:</u>	The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product.

All of the information contained in the SDS should be consulted to assist with the safe handling of this material.

Principal Hazardous Components: Not available.

### 3. Composition / Information on Ingredients

Weight Percent / Typical	Component Identity	CAS Registry Number
100%	Di(butoxyethyl) phthalate	117-83-9

### 4. First Aid Measures

<u>Inhalation:</u>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<u>Eyes:</u>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<u>Skin:</u>	Wash off with soap and plenty of water. Consult a physician.
<u>Ingestion:</u>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Use water spray, alcohol-resistant foam, dry chemical or CO2.
<u>Special Fire Fighting Procedures:</u>	Wear self-contained breathing apparatus for firefighting if necessary. Do not use water jet as an extinguisher, as this will spread the fire.
<u>Hazardous Combustion Products:</u>	Carbon oxides.
<u>Unusual fire and explosion hazards:</u>	None known.

### 6. Accidental Release Measures

<u>Steps to be taken in case material is spilled:</u>	Use personal protective equipment. Dike the spilled material, where this is possible. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
<u>Environmental Disposal Information:</u>	Do not let product enter drains.
<u>Waste Disposal:</u>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Consult federal, state, and/or local authorities for assistance on disposal.

## 7. Handling and Storage

### Empty Containers:

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### Precautions to be taken in handling:

Keep away from heat and sources of ignition. Avoid excessive heat and light. Always store away from incompatible compounds such as oxidizing agents. Do not breathe gas, fumes, vapor or spray. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

### Storage:

Keep container tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials.

## 8. Exposure Controls / Personal Protection

### Exposure Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

### Respiratory Protection:

A MSHA/NIOSH approved respirator must be used to avoid inhalation of the product.

### Ventilation:

Good general ventilation.

### Hand protection:

Handle with gloves.

### Eye Protection:

Safety glasses with side-shields.

### Skin and Body Protection:

Impervious clothing.

### Other Precautions:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

### Decontamination Facilities:

Eye bath, washing facilities (sinks / showers)

## 9. Physical and Chemical Properties

### Physical Form:

Oily liquid

### Appearance & Odor:

Colorless

### Specific Gravity:

1.050

### Relative Density:

1.06 g/cm<sup>3</sup> at 25 °C (77 °F)

<u>Refractive Index:</u>	1.4800 @ 25°C
<u>Softening Point, R&amp;B:</u>	Not available.
<u>Solubility in Water:</u>	Not available.
<u>Flash Point, TAG CC F:</u>	96.00 °C (204.80 °F) - closed cup
<u>Percent Volatiles (by weight):</u>	Not available.
<u>Evaporation Rate (Water ~ I):</u>	Not available.
<u>Vapor Pressure (mm Hg):</u>	Not available.
<u>Vapor Density (Air ~ I):</u>	Not available.
<u>Boiling Point (°F) Initial:</u>	220 °C - 270 °C (428 °F - 518 °F)
<u>Auto ignition Temperature, °C:</u>	Not available.
<u>Flammable Limits, %(V):</u>	Not available.

#### 10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	Material reacts with strong oxidizing agents
<u>Conditions to Avoid:</u>	Extreme heat.
<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur

#### 11. Toxicological Information

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

<u>OSHA Permissible Exposure Limit:</u>	Not available.
<u>ACGIH Threshold Limit Value:</u>	Not available.
<u>Oral:</u>	Rat: LD50- 8,380 mg/kg Guinea pig: LDLo 6000 mg/kg
<u>Inhalation:</u>	No data available.
<u>Dermal:</u>	No data available.
<u>Serious eye damage/eye irritation:</u>	Eyes – Rabbit, Result: Mild eye irritation
<u>Respiratory or skin sensitization:</u>	No data available.

#### 12. Ecological Information

HB Chemical 1665 Enterprise Parkway Twinsburg, Ohio 44087

Phone 330-920-8023 Fax 330-920-0971

[www.hbchemical.com](http://www.hbchemical.com)

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 13. Disposal Considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations.

### 14. Transport Information

<u>D.O.T. Shipping Name:</u>	Not dangerous goods
<u>Air - ICAO (international Civil Aviation Organization):</u>	Not dangerous goods
<u>Sea - IMDG (International Maritime Dangerous Goods):</u>	Not dangerous goods

### 15. Regulatory Information

All components of this material are on the TSCA Inventory.

<u>SARA 302 Components:</u>	Not listed.
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<u>SARA 313 Components:</u>	Not listed.
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<u>SARA 311/312 Hazards:</u>	No Hazards.
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<u>New Jersey RTK Label Information:</u>	Bis(2-butoxyethyl) phthalate CAS-No. 117-83-9
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<u>Pennsylvania RTK Label Information:</u>	Bis(2-butoxyethyl) phthalate CAS-No. 117-83-9
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<u>California Prop. 65 Components:</u>	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
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### 16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.