



**SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT IDENTIFIER: POLYCIZER® DOA**

**Chemical Name:** Dioctyl adipate: DOA

**Recommended Use:** Plasticizer

**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**

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. After handling, always wash hands thoroughly with soap and water.

**Classification of the Substance or Mixture:**

Material is not considered hazardous by the OSHA Hazard Communication Standard 29 CFR 1910.1200

**GHS Label Elements:**

**Hazard symbol:** None

**Signal word:** None

**Hazard Statements:**

No known significant effect or critical hazards.

**Precautionary Statements:**

**Prevention:** Not applicable.

**Response:** Not applicable.

**Storage:** Not applicable.

**Disposal:** Not applicable.

**Hazard(s) not otherwise classified (HNOC):** None known



## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

### Substance/mixture:

<u>Components</u>	<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Weight%</u>
	Bis(2-ethylhexyl) adipate	103-23-1	100

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## SECTION 4 – FIRST AID MEASURES

**Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation:** Remove person to fresh air. Get medical attention if symptoms occur.

**Skin contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion:** Rinse out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed:

#### Potential acute health effects:

<b>Eye contact:</b>	No known significant effects or critical hazards.
<b>Inhalation:</b>	No known significant effects or critical hazards.
<b>Skin contact:</b>	No known significant effects or critical hazards.
<b>Ingestion:</b>	No known significant effects or critical hazards.

#### Over-exposure signs/symptoms:

<b>Eye contact:</b>	No specific data
<b>Inhalation:</b>	No specific data
<b>Skin contact:</b>	No specific data
<b>Ingestion:</b>	No specific data

**Indication of immediate medical attention and special treatment needed:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## SECTION 5 – FIRE FIGHTING MEASURES



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

**Unsuitable extinguishing method:** None known.

**Specific hazards arising from chemical:** In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products:**

Decomposition products may include the following materials:

- Carbon dioxide
- Carbon monoxide

**Special firefighting equipment and precautions for firefighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**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. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

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

For large spills: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor.

For small spills: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Environmental precautions:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## SECTION 7 - HANDLING AND STORAGE



**Precautions for safe handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits:** None

**Appropriate engineering controls:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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

**Eye/face protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

**Skin protection:**

**Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection:** 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.

**General hygiene considerations:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate



techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Colorless liquid
<b>Odor:</b>	Not available
<b>pH:</b>	Not available
<b>Boiling Point/Range:</b>	Not available
<b>Melting Point/Range:</b>	Not available
<b>Flash Point (°C):</b>	181°C (358°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 specific test data related to reactivity available for this product or its ingredients.

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

**Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid:** Keep away from extreme heat and oxidizing agents.

**Incompatible materials:** Keep away from strong acids.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 - TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

### Acute Toxicity

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
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Bis (2-ethylhexyl) adipate  
LD50 Oral

Rat

7,392 mg/kg

**Irritation/Corrosion:**

**Skin:** Mixture. Not fully tested.  
**Eyes:** Mixture. Not fully tested.  
**Respiratory:** Mixture. Not fully tested.

**Sensitization:**

**Skin:** Mixture. Not fully tested.  
**Respiratory:** Mixture. Not fully tested.

**Germ cell mutagenicity:** Mixture. Not fully tested.

**Carcinogenicity:** Mixture. Not fully tested.

**Reproductive toxicity:** Mixture. Not fully tested.

**Teratogenicity:** Mixture. Not fully tested.

**Specific target organ toxicity-single exposure:** Mixture. Not fully tested.

**Specific target organ toxicity-repeated exposure:** Mixture. Not fully tested.

**Aspiration hazard:** Not available.

**Information on likely routes of exposure:** Not available

**Potential acute health effects:**

**Inhalation:** No known significant effects or critical hazards.  
**Skin Contact:** No known significant effects or critical hazards.  
**Eye Contact:** No known significant effects or critical hazards.  
**Ingestion:** No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics:** No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure:**

**Short term exposure:**

**Potential immediate effects:** Not available.  
**Potential delayed effects:** Not available.

**Long term exposure:**

**Potential immediate effects:** Not available.  
**Potential delayed effects:** Not available.

**Potential chronic health effects:** Mixture. Not fully tested.



## SECTION 12 - ECOLOGICAL INFORMATION

### Ecotoxicity:

<u>Components</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
Bis (2-ethylhexyl) adipate	Acute LC50 780 µg/l Fresh water	Fish-Fathead minnow	96 h
	Acute LC50 780 µg/l Fresh water	Fish-Rainbow trout, Donaldson trout	96h
	Acute LC50 780 µg/l Fresh water	Fish-Bluegill	96 h
	Acute LC50 660 µg/l Fresh water	Aquatic invertebrates, Water flea	48 h
	Acute LC50 780 µg/l Fresh water	Aquatic plants, green algae	96h

**Persistence and degradability:** Not available.

### Bioaccumulative potential:

<u>Components</u>	<u>LogPow</u>	<u>BCF</u>	<u>Potential</u>
Bis (2-ethylhexyl) adipate	8.94	27.00	High

**Mobility in soil:** No data available

**Other adverse effects:** No known significant effects or critical hazards.

## 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.

United States-RCRA Acute hazardous waste "P" List: Not listed

United States-RCRA Toxic hazardous waste "U" List: Not Listed

## SECTION 14 - TRANSPORTATION INFORMATION

**U.S. DOT Classification:** Not DOT regulated.

## SECTION 15 - REGULATORY INFORMATION



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**U.S.:**

**United States TSCA Inventory:** All components are listed or exempt.

**SARA 313:** This product does not contain a chemical listed at or above de minimis concentrations 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.

**California Proposition 65:** Not listed.

**SECTION 16 - OTHER INFORMATION**

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

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