



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

**PRODUCT IDENTIFIER: POLYCIZER® DBES**

**Chemical Name:** Di(butoxyethyl) Sebacate; DBES

**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):** Prolonged direct contact may cause eye and skin irritation.



**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

**Substance/mixture:**

**Chemical characterization:** Ester

<u>Components Chemical Identity</u>	<u>CAS Number</u>
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Di(butoxyethyl) Sebacate; DBES	141-19-5
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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/irrigate 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 and keep at rest in a position comfortable for breathing. If breathing is irregular, provide oxygen by trained personnel. If not breathing, provide artificial respiration by trained personnel. Get medical attention if symptoms occur.

**Skin contact:** Flush contaminated skin with plenty of soap, water or other non-irritating agent. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion:** Rinse out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. 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:**

See hazard statements in Section 2, if given, and information in this Section if stated.

**Indication of immediate medical attention and special treatment needed:** Treat symptomatically. See precautionary statements in Section 2, if given, as well as first aid information in this Section if stated.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Suitable extinguishing method:** In case of fire, use water spray, 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. 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. 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). Close container immediately after use. Avoid excessive heat. Do not allow to dry out. 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.

**General Protective measures:** Do not breathe vapor/spray. Avoid contact with eyes and skin. Immediately take off all contaminated clothing.

**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.

**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. In the event of contamination, change protective gloves immediately. Avoid skin contact with the wetted surfaces of the protective gloves.

**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.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Colorless to slight yellow liquid
<b>Odor:</b>	Slight
<b>pH:</b>	Not determined
<b>Boiling Point/Range:</b>	Not determined
<b>Melting Point/Range:</b>	>200°C
<b>Flash Point (°C):</b>	>100°C
<b>Ignition temperature:</b>	Not determined
<b>Flammability (solid,gas):</b>	Not determined
<b>Flammable/Explosion Limits:</b>	<b>Upper:</b> Not determined <b>Lower:</b> Not determined
<b>Vapor Pressure:</b>	Not determined
<b>Density</b>	1.01 g/cm <sup>3</sup>
<b>Solubility in Water:</b>	Insoluble
<b>Partition Coefficient:</b>	Not determined
<b>(n-octanol/water)</b>	
<b>Auto-ignition Temperature:</b>	Not determined
<b>Decomposition Temperature:</b>	Not determined
<b>SADT:</b>	Not determined
<b>Viscosity:</b>	Not determined

## SECTION 10 - STABILITY & REACTIVITY

**Reactivity:** Hazardous reactions are not expected when stored and handled according to prescribed instructions.

**Chemical stability:** Material is stable under recommended storage and handling conditions. No thermal decomposition when stored and handled correctly.

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

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



**Incompatible materials:** No information available.

**Hazardous decomposition products:** Not applicable. 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**      **Oral:** LD50=>2,000 mg/kg (Rat)  
                              **Dermal:** Not determined  
                              **Inhalation:** Not determined

**Irritation/Corrosion:**  
                              **Skin:** Non-irritant (Rabbit)  
                              **Eyes:** Non-irritant  
                              **Respiratory:** Not determined

**Sensitization:**  
                              **Skin:** Not determined  
                              **Respiratory:** Not determined

**Mutagenicity:**      Not determined

**Carcinogenicity:**      This product or its components present at 0.1% or more is not listed as a carcinogen or suspected carcinogen by NTP, IARC or OSHA.

**Reproductive toxicity:**      Not determined

**Teratogenicity:**              Not determined

**Specific target organ toxicity-single exposure:**      Not determined

**Specific target organ toxicity-repeated exposure:**      Not determined

**Aspiration hazard:** Not determined

**Information on likely routes of exposure:**  
                              Primary route of exposure: Inhalation, Eye Contact, Skin Contact, Ingestion

**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:** No specific data

**Potential delayed effects:** No specific data

**Long term exposure:**

**Potential immediate effects:** No specific data

**Potential delayed effects:** No specific data

**Potential chronic health effects:** No specific data

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity:** **Fish:** Not determined  
**Daphnia:** Not determined  
**Alga:** Not determined  
**Bacteria:** Not determined

**Persistence and degradability:**

**Physico-chemical eliminability:** Not determined

**Biodegradability:** Not determined

**Behavior in environmental compartments:** Not determined

**Bioaccumulative potential:** Not determined

**Mobility in soil:** Not determined

**Other adverse effects:** Not determined

**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. This material and its container must be disposed of in a safe way. If utilization or recycling is not possible, dispose of according to local laws and regulations. Empty containers or liners may retain some product residues and are to be treated in the same way as the contents. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14 - TRANSPORTATION INFORMATION**

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

**SECTION 15 - REGULATORY INFORMATION**

**U.S.:**



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

**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:** This product does not contain any chemical known to the State of California to cause cancer, birth defects or other reproductive harm in concentrations that require a warning notice under California's Proposition 65.

#### SECTION 16 - OTHER INFORMATION

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

**Version #:** 01

**Revision Information:** GHS Format

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