



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: POLYCIZER® E-68

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: May 2, 2011
Preparer: Health, Safety & Environment
Product Use: Plasticizer

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	CAS Number	%
Soybean oil, epoxidized	8013-07-8	<=100

SECTION 3 - HAZARD(S) IDENTIFICATION

Primary routes of exposure:

Inhalation **Skin contact** **Eye contact** **Skin absorption** **Ingestion**

Emergency Overview: The product, in the form supplied, is not anticipated to product significant adverse health effect.

Potential Health Effects: Eye contact may cause irritation. Skin contact may cause irritation.

SECTION 4 – FIRST AID MEASURES

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

Ingestion: Seek medical attention. 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. Launder clothing and shoes before reuse.

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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.

SECTION 5 – FIRE FIGHTING MEASURES

Flash point: 590°F

Extinguishing media: Use water spray, carbon dioxide (CO₂), foam or dry chemical. Do NOT use a solid stream of water.

Special fire fighting procedures: Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand/NIOSH approved or equivalent) and protective clothing. Use water spray to keep fire exposed containers cool.

Hazardous combustion products: Acrolein can be generated at 550°F. Carbon monoxide. Carbon dioxide (CO₂).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak & Spill Procedure: Evacuate area. Wear protective clothing. Prevent further leakage or spillage if you can do so without risk. Ventilate the area. Avoid generation of vapors. Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labeled containers for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 7 - HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practices. Avoid unnecessary exposure and removal of material from eyes, skin and clothing.

Storage: Store in closed containers in a secure area to prevent container damage and subsequent spillage. It is recommended that containers be raised above floor or ground during extended storage periods to prevent container corrosion due to standing water. Store separate from mineral acids and strong acids. Do NOT store above 399°F.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Where airborne exposure is likely or airborne exposure limits are exceeded, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components.

Ventilation:

Local exhaust: Recommended to maintain airborne levels below recommended exposure limits.

Mechanical (general): Recommended to maintain airborne levels below recommended exposure limits.

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Inhalation: No deaths occurred. (rat) 8 h Exposure time (concentrated vapor)

Skin Irritation: Slightly irritating (rabbit)

Eye Irritation: Slightly irritating (rabbit)

Skin Sensitization: Repeated skin exposure (guinea pig) No skin allergy was observed.

Repeated dose toxicity: Repeated dietary administration to rat / affected organ(s): kidney, liver, testes, uterus / increased mortality (Repeated exposure at high concentrations)

Carcinogenicity: Chronic oral administration to rat / No increase in tumor incidence was reported. Chronic dermal administration to mice / No increase in tumor incidence was reported.

Genotoxicity: Assessment in Vitro: No genetic changes were observed in laboratory tests using: bacteria, human cells, animal cells

Developmental toxicity: Exposure during pregnancy. Oral (rat) / No birth defects were observed.

Reproductive effects: Reproduction Test. Oral (rat) / No toxicity to reproduction.

SECTION 12 - ECOLOGICAL INFORMATION

Chemical Fate and Pathway:

Biodegradation: Readily biodegradable. (Modified Sturm Test, 28d) biodegradation 79% / OECD Guideline 301 B

Chemical Oxygen Demand: COD 2, 240 mg/g Low potential to bioaccumulate.

Octanol Water Partition Coefficient: log Pow > 6.2 (OECD Guideline 117)

Ecotoxicology:

Aquatic toxicity data: Fish LC50 > limit of water solubility

Aquatic invertebrates: Daphnia magna (Water flea) EC50 > limit of water solubility

Algae: Algae EC50 > limit of water solubility

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SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal method: In accordance with federal, state, and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Special shipping information: Not DOT Regulated

SECTION 15 - REGULATORY INFORMATION

TSCA Inventory Status:

Chemical components are listed on the TSCA inventory.

SARA Title III-Section 311/312 Hazard Classifications(s): No SARA Hazards

SARA Title III-Section 313 Toxic Chemicals: This product does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

OSHA Regulated Carcinogens (NTP, IARC, OSHA Listed):

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

California Prop. 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive defects.

SECTION 16 - OTHER INFORMATION

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