

MATERIAL SAFETY DATA SHEET

(in compliance with 29 CFR 1910.1200 and WHMIS)

IDENTITY: Polycizer[®] ESO

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Ed Leary Ship Eady Bob Dug

SECTION I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY:

EMERGENCY TELEPHONE NO.: (216) 798-9300

Harwick Chemical Corporation
60 South Seiberling Street
P. O. Box 9360
Akron, OH 44305-0360

DATE PREPARED: December 20, 1990

PREPARER: Health, Safety, & Environment

PRODUCT USE: Plasticizer

SECTION II - Ingredients/Identity Information

COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE LIMITS			TOXICITY LD50/LC50	AMOUNT %
	PEL	TLV	OTHER		
Epoxidized Soybean Oil	*15mg/m ³	*10mg/m ³			90-100
CAS #8013-07-8	**5mg/m ³				
*PEL & TLV for vegetable oil mist, total particulate.					
**PEL for vegetable oil mist, respirable fraction.					

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SECTION III - Physical/Chemical Characteristics

BOILING POINT: >600°F	SPECIFIC GRAVITY (H ₂ O=1): 1.0
FREEZING POINT: Not Determined	pH: Not Determined
VAPOR PRESSURE (mm Hg): Not Determined	ODOR THRESHOLD (ppm): Not Determined
VAPOR DENSITY (AIR=1): Not Determined	COEF. WATER/OIL DIST.: Not Determined
SOLUBILITY IN WATER: Insoluble	EVAPORATION RATE: Nil
APPEARANCE (PHYSICAL STATE) AND ODOR: Liquid; Light Yellow	
	Odor; Characteristic

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S E C T I O N I V - Fire and Explosion Hazard Data

FLASH POINT (Method): 590°F (COC)

EXTINGUISHING MEDIA: CO₂, foam, dry chemical. (National Fire Protection Association Class B extinguishers).

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing. Water spray may be ineffective. Use water to cool closed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may explode when exposed to extreme heat or fire. If burned, material could give off toxic fumes.

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Determined
UEL: Not Determined

AUTOIGNITION TEMPERATURE: Not Determined
SENS. TO MECHANICAL IMPACT: Not Determined
SENS. TO STATIC DISCHARGE: Not Determined
HAZARDOUS COMBUSTION PRODUCTS: CO_x

S E C T I O N V - Reactivity Data

STABILITY
STABLE: X
UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None known

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CO_x

HAZARDOUS POLYMERIZATION
MAY OCCUR:
WILL NOT OCCUR: X

CONDITIONS TO AVOID: None known

HMIS RATING: 0

S E C T I O N V I - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: X
SKIN ABSORPTION:

SKIN CONTACT: X
INGESTION:

EYE CONTACT: X

HEALTH HAZARDS

ACUTE: Prolonged eye and skin contact may cause mild irritation. Overexposure to vapors generated at high temperatures may result in eye and respiratory tract irritation.

CHRONIC: None known

NOTE: Product form should minimize exposure making health effects less likely.

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See Health Hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined
SENSITIZATION: Not Determined
MUTAGENICITY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined
TERATOGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1

S E C T I O N V I I - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

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SECTION VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear apron, rubber gloves, and chemical eye goggles. Cover with inert, absorbent material and remove to disposal containers. Wash clothing before reuse.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contamination of this material by other materials. Avoid contact with eyes, skin, and clothing.

SECTION IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)
A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious to oils

EYE PROTECTION: Chemical goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station. If product is hot, wear protective clothing that covers all skin areas (e.g., long sleeve shirt).

WORK/HYGENIC PRACTICES: Wash thoroughly after handling.

S E C T I O N X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

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:

None

RCRA STATUS:

The following chemical component(s) are listed under (40 CFR 261):

None

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