



*Material Safety Data Sheet*  
(in compliance with 29 CFR 1910.1200)

**identity: Merrol® E-68**

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**section 1 – Preparation / Product Information**

**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:** December 5, 2007

**preparer:** **Health, Safety & Environment**

**product use:** Plasticizer

**section 2– Ingredients / Identity Information**

components chemical identity/cas#	exposure limits			Toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
Epoxidized Soybean Oil  CAS #8013-07-8	*15mg/m <sup>3</sup>	*10mg/m <sup>3</sup>		LD50 rat/oral 40,000 g/kg	90-100

\* PEL & TLV for oil mist.

**section 3 – Physical / Chemical Characteristics**

<b>boiling point:</b>	316°F	<b>specific gravity:</b>	0.990-0.998
<b>freezing point:</b>	Not Determined	<b>pH:</b>	Not Determined
<b>vapor pressure (mm Hg):</b>	Not Determined	<b>odor threshold (ppm):</b>	Not Determined
<b>vapor density (AIR=1):</b>	Not Determined	<b>coef. water/oil dist.:</b>	Not Determined
<b>solubility in water</b>	Insoluble	<b>evaporation rate:</b>	<1.00
<b>appearance (physical state) and odor:</b>		Liquid; Light Amber Odor; mild	

**section 4 – Fire and Explosion Hazard Data**

**flash point (method):** 590°F (COC)

**extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray, or "alcohol" foam. Do not use a solid water stream as it may scatter and spread fire.

**special fire fighting procedures:** Wear self-contained breathing apparatus and protective clothing.

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**unusual fire and explosion hazards:** No additional remarks.  
**hmis rating:** 1  
**hazardous combustion products:** CO<sub>x</sub>

**section 5 – Reactivity Data**

**stability**                      **stable:**       
  **unstable:**   

**conditions to avoid (cond. of reactivity):**       None known

**incompatibility (materials to avoid):**           None known

**hazardous decomposition or byproducts:**       None under normal use

**hazardous polymerization**                      may occur:       
  will not occur:

**conditions to avoid:**                               None known

**hmis rating:** 0

**section 6 – Health Hazard Data**

*primary routes of exposure*

<b>inhalation</b> <input type="checkbox"/>	<b>skin contact</b> <input checked="" type="checkbox"/>	<b>eye contact</b> <input checked="" type="checkbox"/>
<b>skin absorption</b> <input type="checkbox"/>	<b>ingestion</b> <input type="checkbox"/>	

*health hazards*

**acute:**           Non-irritant for skin. Non-irritating to the eyes. Over exposure by inhalation may cause respiratory irritation and may irritate digestive tract.

**chronic:**       None known

*carcinogenicity*

**NTP**                  **IARC**                  **OSHA**     

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**signs and symptoms of exposure:** See Health Hazards above.

**medical conditions generally aggravated by exposure:** None known

**hmis rating:** 1

### section 7 – First Aid Measures

#### *emergency and first aid procedures*

**inhalation:** Move to fresh air. If breathing is difficult, give oxygen. Consult a physician.

**ingestion:** If ingested induce vomiting. Consult a physician if large amounts ingested.

**skin contact:** Wash with soap and water. If irritation develops, consult a physician.

**eye contact:** Flush with water for 15 minutes and under eyelids. If irritation develops, consult a physician.

### section 8 – Precautions for Safe Handling and Use

#### **steps to be taken in case material is released or spilled:**

Absorb spill with an inert material (e.g. dry sand and earth) then place in container for disposal. Do not allow material to contaminate ground water system. Prevent further leakage or spillage. Do not let material enter drains.

**waste disposal method:** In accordance with federal, state, and local regulations. Refer to Section 10.

#### **precautions to be taken in handling and storing:**

Keep container tightly closed. Keep container in a cool well-ventilated area.

#### **other precautions:**

Avoid contact with eyes, skin, and clothing. Do not breathe vapor/dust.

### section 9 – Control Measures

#### **respiratory protection (specify type):**

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

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**ventilation**

**local exhaust:**

Recommended to minimize exposure.

**mechanical (general):**

Recommended to minimize exposure.

**protective gloves:**

Impervious

**eye protection:**

Splash goggles, safety glasses

**other protective clothing or equipment:**

Eyewash station and safety shower

**work/hygienic practices:**  
clothing

Wash thoroughly after handling, light weight protective

**section 10 – Additional Information**

**special shipping information:**

Not DOT Regulated

**TSCA Inventory Status:**

Chemical components are listed on the TSCA inventory.

**State Regulations**

This product or its ingredients have been evaluated for New Jersey, Pennsylvania, and California Prop 65 supplier notification requirements. Substances that are subject to notification requirements, if any, are listed below.

None

**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 known

**Not Subject to TSCA 12(b) Export Notification**

**RCRA status**

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

None known

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