

**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 15, 1997

**preparer:** Health, Safety & Environment

**product use:** Rubber Additive

**section 2 – Ingredients / Identity Information**

components chemical identity/cas#	exposure limits			toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
Gamma-Mercaptopropyl-Triethoxysilane CAS #14814-09-6	Not Established				80-90
Ethanol CAS #64-17-5	1,000 ppm	1,000 ppm			0.1-1

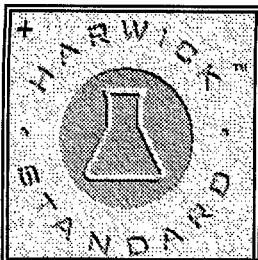
Additional Ethanol may be formed by reaction with moisture.

**section 3 – Physical / Chemical Characteristics**

<b>boiling point:</b>	> 200° C (392° F)	<b>specific gravity:</b>	Not Determined
<b>freezing point:</b>	< 0° C (32° F)	<b>pH:</b>	Not Determined
<b>vapor pressure (mm Hg):</b>	< 1 @ 20° C	<b>odor threshold (ppm):</b>	Not Determined
<b>vapor density (AIR=1):</b>	> 1	<b>coef. water/oil dist.:</b>	Not Determined
<b>solubility in water</b>	Reacts slowly	<b>evaporation rate:</b>	< 1
<b>appearance (physical state) and odor:</b>		Liquid; Clear, colorless	
		Odor; Mercapto-ester	

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**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 checked="" type="checkbox"/>	<b>ingestion</b>	<input type="checkbox"/>		

**health hazards**

**acute:** Causes skin irritation with discomfort, local redness, and possible swelling. May cause mild eye discomfort and excess redness of the conjunctiva may occur. Ingestion may cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, euphoria, abdominal discomfort, nausea, vomiting, staggering gait, lack of coordination, and coma.

**chronic:** Prolonged or widespread contact may result in the absorption of potentially harmful amounts of material. Long-term repeated oral exposure to ethanol may result in the development of progressive liver injury with fibrosis.

**carcinogenicity**

**NTP**       **IARC**       **OSHA**

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

**medical conditions generally aggravated by exposure:** Repeated exposure to ethanol may aggravate liver injury produced from other causes.

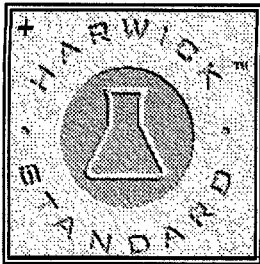
**hmis rating:** 2

**section 7 – First Aid Measures**

**emergency and first aid procedures**

**inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

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**ingestion:** Give two glasses of water and induce vomiting. Contact a physician.

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

**eye contact:** Flush with water for 15 minutes. Consult a physician.

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

**steps to be taken in case material is released or spilled:**  
in a suitable container for disposal.

Collect for disposal. Avoid runoff into sewers or waterways. Place

**waste disposal method:**  
Section X.

In accordance with federal, state, and local regulations. Refer to

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

Avoid contact with water. Keep away from heat and flame.

**other precautions:**

Avoid contact with eyes, skin, and clothing.

### section 9 – Control Measures

**respiratory protection (specify type):**  
necessary.

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

#### **ventilation**

**local exhaust:**  
**mechanical (general):**

Recommended to minimize exposure.  
Recommended to minimize exposure.

**protective gloves:**

Impervious

**eye protection:**

Safety glasses

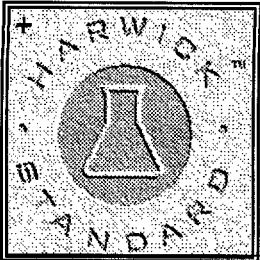
**other protective clothing or equipment:**

Eyewash station, safety shower, and chemical apron.

**work/hygienic practices:**  
drinking, or smoking.

Wash thoroughly after handling and before eating,

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**section 10 – Additional Information**

**special shipping information:** Not Available

**TSCA Inventory Status:**

Chemical components 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 known

**RCRA status**

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

None known

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