

**section 1 – Preparation / Product Information**

<b>manufactured for and supplied by:</b>	<b>telephone no:</b>	<b>(330) 798-9300</b>
<b>Harwick Standard Distribution Corporation</b>	<b>date prepared:</b>	May 23, 2001
<b>60 South Seiberling Street</b>	<b>preparer:</b>	<b>Health, Safety &amp; Environment</b>
<b>P.O. Box 9360</b>	<b>product use:</b>	Rubber Additive
<b>Akron, OH 44305-0360</b>		

**section 2 – Ingredients / Identity Information**

components chemical identity/cas#	exposure limits			Toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
Vegetable Oil Based Stearic Acid CAS #57-11-4					90-100

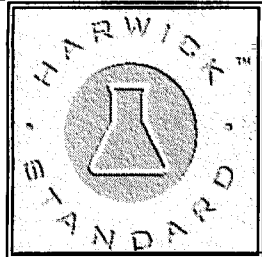
**section 3 – Physical / Chemical Characteristics**

<b>boiling point:</b>	184°C / 1mm	<b>specific gravity:</b>	Not Determined
<b>freezing point:</b>	60-63°C	<b>pH:</b>	Not Determined
<b>vapor pressure (mm Hg):</b>	174°C / 1mm	<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>	Negligible	<b>evaporation rate:</b>	Not Determined
<b>Appearance (physical state) and odor:</b>		Solid, White granular/flakes Odor; Slightly waxy	

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

<b>flash point (method):</b>	385°F (close cup)
<b>extinguishing media:</b>	CO <sub>2</sub> , foam, dry chemical, or water spray.
<b>special fire fighting procedures:</b>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.



**unusual fire and explosion hazards:** Like most materials in powder form, it is capable of creating a dust explosion.

**hmis rating:** 1

**hazardous combustion products:** CO<sub>x</sub>

#### section 5 – Reactivity Data

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

**conditions to avoid (cond. of reactivity):** Excessive heat and open flame.

**incompatibility (materials to avoid):** Strong oxidizing agents.

**hazardous decomposition or byproducts:** CO<sub>x</sub>

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

**conditions to avoid:** Temperatures exceeding 743°F

**hmis rating:** 0

#### section 6 – Health Hazard Data

##### *primary routes of exposure*

**inhalation**                                **skin contact**                                **eye contact**                    
**skin absorption**                          **ingestion**                 

##### *health hazards*

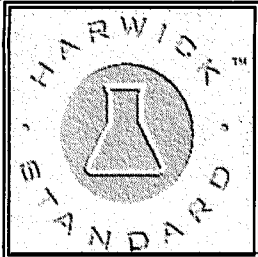
**acute:** Irritating to eyes, respiratory system and skin.

**chronic:** None known

##### *carcinogenicity*

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

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.



- signs and symptoms of exposure:** None known
- medical conditions generally aggravated by exposure:** None known
- hmis rating:** 0

### 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.
- ingestion:** Consult a physician.
- skin contact:** Wash with soap and water. If irritation develops, consult a physician.
- eye contact:** Flush with water for 15 minutes. 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:**

Ventilate area and wash spill site, place in a suitable container for reuse or disposal. Avoid raising dust.

#### **waste disposal method:**

In accordance with federal, state, and local regulations. Refer to Section 10.

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

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

#### **other precautions:**

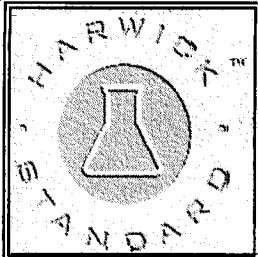
Avoid contact with eyes, skin, and clothing.

### section 9 – Control Measures

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

A NIOSH/MSHA approved respirator above PEL or TLV, and/or an organic vapor respirator for hot rubber fumes.

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.



**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

**work/hygienic practices:**

Wash thoroughly after handling

**section 10 – Additional Information**

**special shipping information:**

Not DOT Regulated

**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

The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.