

**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 20, 1997
<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>	Thickener
<b>Akron, OH 44305-0360</b>		

**section 2 – Ingredients / Identity Information**

Components chemical identity/cas#	exposure limits			toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
Casein CAS #9000-71-9	Not Established				90-100

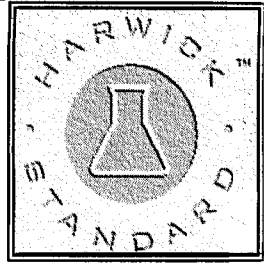
**section 3 – Physical / Chemical Characteristics**

<b>boiling point:</b>	Not Applicable	<b>specific gravity:</b>	1.25-1.31 (calc.)
<b>freezing point:</b>	Not Applicable	<b>pH:</b>	Not Available
<b>vapor pressure (mm Hg):</b>	Not Applicable	<b>odor threshold (ppm):</b>	Not Available
<b>vapor density (AIR=1):</b>	Not Applicable	<b>coef. water/oil dist.:</b>	Not Available
<b>solubility in water</b>	Insoluble	<b>evaporation rate:</b>	Not Applicable
<b>appearance (physical state) and odor:</b>		Powder; White Odor; Bland	

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

<b>flash point (method):</b>	Not Available
<b>extinguishing media:</b>	Water, CO <sub>2</sub> , foam, dry chemical
<b>special fire fighting procedures:</b>	Wear self-contained breathing apparatus and protective clothing.
<b>unusual fire and explosion hazards:</b>	None known

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hmis rating: 1

hazardous combustion products: None known

**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 known

hazardous polymerization            may occur:   
  will not occur:

conditions to avoid: None known

hmis rating: 0

**section 6 – Health Hazard Data**

**primary routes of exposure**

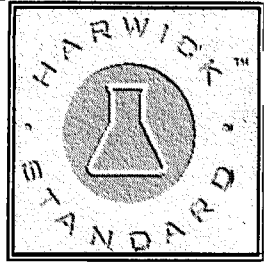
inhalation                        skin contact                        eye contact              
skin absorption                        ingestion           

**health hazards**

acute: Treat as a nuisance dust. If product becomes dusty, it may irritate the eyes, skin, and respiratory tract.

chronic: None known

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**carcinogenicity**

NTP

IARC

OSHA

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

**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**

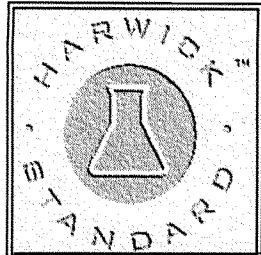
**steps to be taken in case material is released or spilled:** Dry clean up, i.e., vacuum, sweeping, etc. Use dilute caustic soda for wet clean up.

**waste disposal method:** In accordance with federal, state, and local regulations. May be disposed of as waste food ingredient. Refer to Section 10.

**precautions to be taken in handling and storing:** Store in a cool, dry place not directly against floor or outside walls.

**other precautions:** Keep storage containers sealed. Minimize dusting.

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**section 9 – Control Measures**

<b>respiratory protection (specify type):</b>	A NIOSH/MSHA approved dust respirator as necessary.
<b>ventilation</b>	
<b>local exhaust:</b>	Recommended to minimize exposure.
<b>mechanical (general):</b>	Recommended to minimize exposure.
<b>protective gloves:</b>	Impervious
<b>eye protection:</b>	Safety glasses
<b>other protective clothing or equipment:</b>	Eyewash station
<b>work/hygienic practices:</b>	Wash thoroughly after handling

**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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