



*material safety data sheet*  
(in compliance with 29 CFR 1910.1200)  
**identity: STANGARD® PVI POWDER**

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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:** 03/04/09

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

**product use:** Pre-Vulcanization Inhibitor

**section 2 – Ingredients / Identity Information**

components chemical identity/cas#	exposure limits			Toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
N-Cyclohexyl(thio)phthalimide CAS# 17796-82-6	15 mg/m3 (Total Dust)	10 mg/m3		LD50 rat/oral >2600 mg/kg	96-100
*Nuisance Dust	05 mg/m3 (Respirable Dust)				
	0.5 mg/m3(Skin*).				

**section 3 – Physical / Chemical Characteristics**

<b>boiling point:</b>	Not Determined	<b>specific gravity:</b>	1.33 @ 25° C
<b>freezing point:</b>	Not Determined	<b>pH:</b>	Not Determined
<b>vapor pressure (mm Hg):</b>	Negligible	<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>	Not Determined
<b>appearance (physical state) and odor:</b>			Off white powder, strong, pungent

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

**flash point (method):** 350°F (COC)

**extinguishing media:** Water fog, CO<sub>2</sub>, foam, dry chemical.

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**special fire fighting procedures:** Wear self-contained breathing apparatus. Fire fighters should wear full protective clothing.

**unusual fire and explosion hazards:** Toxic emissions may result if product is involved in a fire. Fire produces highly toxic sulfur dioxide gas.

**Special Exposure hazards:** Fight fire from a safe distance and from a protected location. Use water spray to cool fire exposed surfaces. Decomposition in fire may produce toxic gases. Combustible dust when in a finely divided and highly suspended state. Do not allow runoff to enter waterways.

**hmis rating:** 1

**hazardous combustion products:** toxic fumes CO<sub>1</sub>, NO<sub>x</sub>, sulfur dioxide

**section 5 – Reactivity Data**

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

**conditions to avoid (cond. of reactivity):** keep away from heat, flame, sparks and heat moisture.

**hazardous decomposition or byproducts:** toxic fumes CO<sub>1</sub>, NO<sub>x</sub>, sulfur dioxide

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

**materials to avoid:** contact with acids

**hmis rating:** 0

**section 6 – Health Hazard Data**

**primary routes of exposure**

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

**Emergency Overview:** WARNING! May be toxic if absorbed through the skin. This material is irritating to skin, eyes and respiratory tract. May cause allergic skin reaction.

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

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

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**medical conditions generally aggravated by exposure:** Pulmonary disorders. Dermal ailments.

**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.

**ingestion:** If ingested call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

**skin contact:** Remove contaminated clothing & launder before reuse. Wash with soap and water. If irritation develops, consult a physician.

**eye contact:** Flush with plenty of water & lift eyelids to ensure thorough flushing. 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:** Avoid dust generation. Sweep, vacuum, or shovel and place into closable container for disposal. Isolate area and remove sources of friction, impact, heat, low level electrical current, and RF energy. Isolate spill and stop leak where safe. Remove ignition sources and work with non-sparking tools. Scoop up and remove. Do NOT spread spilled product with water.

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

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

Avoid generating or breathing dust. Avoid contact with eyes, skin and clothing. Close containers of unused product. Wash hands before eating, drinking, and chewing gum, using tobacco or using the toilet. Do not reuse this container. Work clothes should be washed separately at the end of the workday. Disposable clothing should be discarded with material. Store closed containers in a cool, dry, well-ventilated area. Store away from strong acids. Avoid exposure to direct sunlight. Do not double stack.

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**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 or as necessary.

**ventilation**

**local exhaust:** Recommended to minimize exposure.  
**mechanical (general):** Recommended to minimize exposure.

**protective gloves:** Chemical resistant protective gloves

**eye protection:** Safety glasses or goggles

**other protective clothing or equipment:** Work coveralls, eyewash station and safety shower, long sleeves, boots

**work/hygienic practices:** Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities. Observe good personal hygiene.

**section 10 – Additional Information**

**special shipping information:** Regulated for AIR only

**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):

Not a RCRA waste

**EPA Hazard Categories (SARA 311, 312):** Immediate delayed fire

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