



**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:** August 24, 2007

**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		
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate CAS #6846-50-0	Not Established			LD50 rat/oral >3.2 g/kg	90-100

**section 3 – Physical / Chemical Characteristics**

**boiling point:** 539°F

**melting point:** -70°C (-94°F)

**vapor pressure (mm Hg):** @25°C ; 0.0009 mbar

**vapor density (AIR=1):** 9.9

**solubility in water:** Negligible

**appearance (physical state) and odor:**

**specific gravity:** 0.942 – 0.948 @ 20°C

**pH:** Not Determined

**odor threshold (ppm):** Not Determined

**coef. water/oil dist.:** Not Determined

**evaporation rate:** Not Determined

Liquid; Colorless  
Odor; Slight

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

**flash point (method):** 128°C (262°F) (Pensky-Martens closed cup)

**extinguishing media:** CO<sub>2</sub>, foam, dry chemical, or water spray.

**special fire fighting procedures:** Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

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**usual fire and explosion hazards:** Elevated temperatures can cause decomposition.

**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):** Strong oxidizing agents

**hazardous decomposition or byproducts:** Material can decompose @ elevated temperatures. Use caution when storing or processing material above 414°F.

**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:**            May cause mechanical irritation to the eyes and/or skin.

**chronic:**        None known

**carcinogenicity**

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NTP

IARC

OSHA

**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 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:** Remove contact lenses if possible. 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:**

Absorb spill with vermaculite or other inert material, then place in a container for chemical waste. For large spills; flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams.

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

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

Keep from contact with oxidizing materials. Exercise caution if heating, especially in a closed container. Keep container closed. Use caution when storing or processing material above 414°F. Store in a cool place.

**other precautions:** Avoid contact with eyes, skin, and clothing.

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**section 9 – Control Measures**

**respiratory protection (specify type):** A NIOSH/MSHA approved respirator above PEL or TLV for vapors and mists.

**ventilation**

**local exhaust:** Recommended to control mist or vapor.  
**mechanical (general):** Recommended at least 10 air changes per hour for good general room ventilation. Ventilation rates should be matched to conditions.

**protective gloves:** Impervious

**eye protection:** Safety goggles

**other protective clothing or equipment:** Eyewash station and safety shower

**work/hygienic practices:** Wash thoroughly after handling. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, evaporation from large surfaces, spraying, heating, etc.

**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

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