

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: March 29, 1997

preparer: **Health, Safety & Environment**

product use: Crosslinking Agent

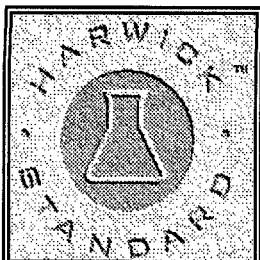
section 2 – Ingredients / Identity Information

components chemical identity/cas#	exposure limits			toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
1,1-Di-(tert-butylperoxy) 3,3,5-trimethylcyclohexane CAS #6731-36-8 *When peroxide component was tested at 75% in DBP.	Not Established			*LD50 rat/oral >12,918 mg/kg	30-40
Calcium Carbonate CAS #471-34-1	Not Established				30-40
Silicon Dioxide, amorphous CAS #7631-86-9	6mg/m ³	10mg/m ³			20-30

section 3 – Physical / Chemical Characteristics

boiling point:	Not Available	specific gravity:	Not Determined
freezing point:	Not Available	pH:	Not Available
vapor pressure (mm Hg):	Not Determined	odor threshold (ppm):	Not Available
vapor density (AIR=1):	Not Determined	coef. water/oil dist.:	Not Available
solubility in water	Insoluble	evaporation rate:	Not Determined
appearance (physical state) and odor:		Powder; Off-White Odor; Slight	

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section 4 – Fire and Explosion Hazard Data

flash point (method): Not Available

extinguishing media: CO₂, foam, water fog, or dry chemical.

special fire fighting procedures: Wear self-contained breathing apparatus and protective clothing. Prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate nonessential personnel from the fire area. If possible, move containers from the fire area. If not leaking, keep fire exposed containers cool with a water fog or spray to prevent rupture due to excessive heat. High pressure water may spread product from broken containers increasing contamination or fire hazard. Dike fire water for later disposal. Do not allow contaminated water to enter waterways.

unusual fire and explosion hazards: Peroxides and peroxide decomposition products are flammable and can ignite with explosive forces if confined. This product can produce flammable vapors which may travel to a source of ignition and flash back.

hmis rating: 1

hazardous combustion products: CO_x

section 5 – Reactivity Data

stability **stable:**
 unstable:

conditions to avoid (cond. of reactivity): Temperatures >131°F (Self Acceleration Decomposition Temperature is 140°F)

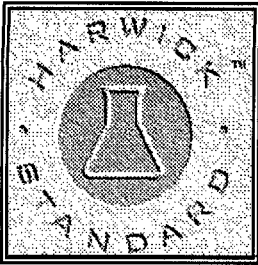
incompatibility (materials to avoid): Strong acids, strong oxidizers, strong bases, metal salts, reducing agents, and accelerators.

hazardous decomposition or byproducts: CO_x

hazardous polymerization may occur:
 will not occur:

conditions to avoid: None known

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hmis rating: 1

section 6 – Health Hazard Data

primary routes of exposure

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

health hazards

acute: Eye contact may cause irritation and/or damage. Prolonged skin contact may cause skin irritation and redness. Inhalation or dust may cause irritation of the nose and throat. Ingestion may cause irritation to the mouth, throat, esophagus and stomach.

chronic: None known

carcinogenicity

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

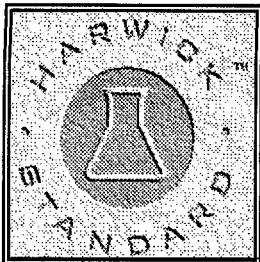
emergency and first aid procedures

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

ingestion: Consult a physician or poison control center.

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

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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: Sweep up being careful not to create dust and place in container for reuse or disposal.

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

precautions to be taken in handling and storing: Wash thoroughly after handling. Electrically grounded tanks and containers should always be used as should non-sparking, electrically grounded hand tools and appliances. Ground or bond to ground all vessels when transferring to prevent the accumulation of static electricity. See National Electric Code. To insure product quality, storage temperatures should not exceed 86°F. To insure against possible exothermic self accelerating decomposition, storage temperatures must not exceed 131°F. Containers should not be opened until ready for use. Use clean non-sparking equipment and tools when handling.

other precautions: Empty containers may contain product residues. Follow all warnings and precautions even after container is emptied.

section 9 – Control Measures

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

ventilation

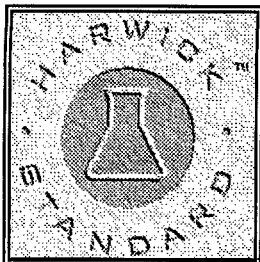
local exhaust: Recommended to minimize exposure.
mechanical (general): Recommended to minimize exposure.

protective gloves: Impervious

eye protection: Chemical goggles

other protective clothing or equipment: Eyewash station and safety shower. Chemical-resistant apron or coveralls may be needed.

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work/hygienic practices:

Wash thoroughly after handling

section 10 – Additional Information

special shipping information:

DOT Regulated: Organic Peroxide, Type D, Solid, (1,1-Di-Tert-Butylperoxy) 3,3,5-trimethylcyclohexane 40%), 5.2, UN3106, II

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):

Organic Peroxide	D003
Reactive	

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