

**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:** April 22, 1998

**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		
Sodium Dibutyl Dithiocarbamate CAS #136-30-1	Not Established				40-50
Water CAS #7732-18-5	Not Established				50-60

**section 3 – Physical / Chemical Characteristics**

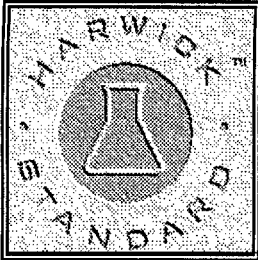
<b>boiling point:</b>	100° C	<b>specific gravity:</b>	1.09
<b>freezing point:</b>	0° C (32° F)	<b>pH:</b>	11-12
<b>vapor pressure (mm Hg):</b>	Not Determined	<b>odor threshold (ppm):</b>	Not Determined
<b>vapor density (AIR=1):</b>	Not Determined	<b>coef. water/oil dist.:</b>	Not Determined
<b>solubility in water</b>	Soluble	<b>evaporation rate:</b>	Not Determined
<b>appearance (physical state) and odor:</b>		Liquid; Light Yellow Odor; Amine	

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

**flash point (method):** Not Determined

**extinguishing media:** Use CO<sub>2</sub>, water fog, or dry chemical

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**special fire fighting procedures:** Wear self-contained breathing apparatus and protective clothing.

**unusual fire and explosion hazards:** High temperatures may cause decomposition and release hydrogen sulfide fumes.

**hmis rating:** 1

**hazardous combustion products:** CO<sub>x</sub>, NO<sub>x</sub>, nitrosamines, amines and hydrogen sulfide

**section 5 – Reactivity Data**

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

**conditions to avoid (cond. of reactivity):** None known

**incompatibility (materials to avoid):** Strong acids and oxidizers

**hazardous decomposition or byproducts:** CO<sub>x</sub>, NO<sub>x</sub>, nitrosamines, amines and hydrogen sulfide

**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**                

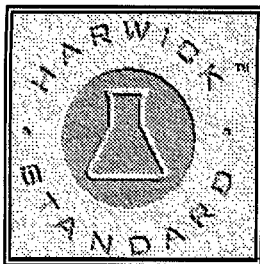
*health hazards*

**acute:** May cause eye and skin irritation. Product has a high pH (11-12) and is caustic.

**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:** 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:** 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:**  
vermiculite. Product is toxic to bacteria.

Contain and recover. Do not flush to sewer. Absorb with sand or

**waste disposal method:**  
Section X.

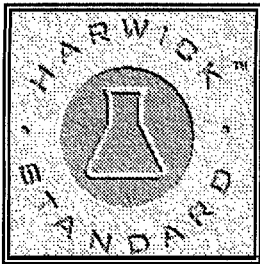
In accordance with federal, state, and local regulations. Refer to

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

Avoid excessive heat and ignition sources. Product is caustic.

Wear gloves, apron, and goggles to prevent contact.

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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.

**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. Apron.

**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

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