

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 12, 1997
preparer: Health, Safety & Environment
product use: Rubber Additive

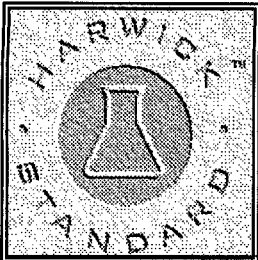
section 2 – Ingredients / Identity Information

components chemical identity/cas#	exposure limits			toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
Water CAS #7732-18-5	Not Established				70-80
1-Piperidine Carbodithioic Acid, Potassium Salt CAS #136-04-9	Not Established				20-30
Potassium Hydroxide CAS #1310-58-3	Not Established				0.1-1

section 3 – Physical / Chemical Characteristics

boiling point:	100° C	specific gravity:	1.07
freezing point:	Not Applicable	pH:	10.2-11.5
vapor pressure (mm Hg):	Not Determined	odor threshold (ppm):	Not Determined
vapor density (AIR=1):	Not Determined	coef. water/oil dist.:	Not Determined
solubility in water	Soluble	evaporation rate:	Not Determined
appearance (physical state) and odor:		Liquid; Yellow Odor; Amine	

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section 4 – Fire and Explosion Hazard Data

flash point (method): Not Applicable

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

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

unusual fire and explosion hazards: High temperatures may release hydrogen sulfide and flammable carbon disulfide vapor.

hmis rating: 1

hazardous combustion products: NO_x, CO_x, H₂S

section 5 – Reactivity Data

stability **stable:**
 unstable:

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

incompatibility (materials to avoid): Acids and oxidizers – acid will generate flammable carbon disulfide and amine vapors.

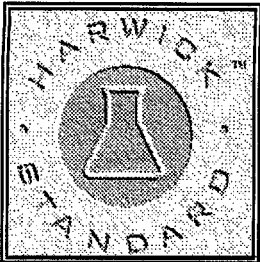
hazardous decomposition or byproducts: NO_x, CO_x, H₂S, amine fumes – pH must be kept above 10 to avoid decomposition.

hazardous polymerization may occur:
 will not occur:

conditions to avoid: None known

hmis rating: 0

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section 6 – Health Hazard Data

primary routes of exposure

inhalation	<input type="checkbox"/>	skin contact	<input checked="" type="checkbox"/>	eye contact	<input checked="" type="checkbox"/>
skin absorption	<input type="checkbox"/>	ingestion	<input type="checkbox"/>		

health hazards

acute: May cause eye and skin irritation.

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

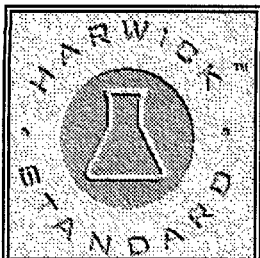
inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

ingestion: Consult a physician.

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.

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section 8 — Precautions for Safe Handling and Use

steps to be taken in case material is released or spilled:

Spills should be contained and recovered, and placed in a suitable container for disposal. Do not flush into sewer. Absorb with sand or vermiculite. Do not discharge to land or water. Product is expected to be toxic to fish. Do not discharge to POTW.

waste disposal method:

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

precautions to be taken in handling and storing:

drums to the manufacturer.

Keep container closed when not in use. Return all sealed empty

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, and/or an organic vapor respirator for vapors or mists.

ventilation

**local exhaust:
mechanical (general):**

Recommended to minimize exposure.
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protective gloves:

Impervious

eye protection:

Chemical goggles

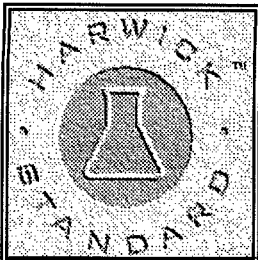
other protective clothing or equipment:

Eyewash station and safety shower. Product has a high pH (10.2 – 11.5) and is caustic. Wear gloves, apron, and goggles to prevent contact.

work/hygienic practices:

Wash thoroughly after handling

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section 10 – Additional Information

special shipping information:

Hydroxide), 8, UN 1719, PG III

Caustic alkali liquid, N.O.S., (Contains Potassium

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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