ral Science Establishment Inc. Box 92912 Friter NY 14692 9012 159 2502

Mard's Natural Science Establishment, Lad-1840 Martuwa Avenue Mississauga, Ontano L4X 1K1

MATERIAL SAFETY DATA SHEET

4540

MSDS No. 88 147 Effective Date July 1, 1986

## iguisher ia onyme SUAL FIRE AND LOSION HAZARDS Of Pressure (mm Hg) 14 mm (water) CTION III PHYSICAL DATA oduct or Density (Air = 1) 0.7 (water) mula CIAL FIREFIGHTING CEDURES earance and Odor ANGERI 🤏 POISON 🎘 CAUSES SEVERE SKIN AND EVE BURNS .S. No. ECTION I CTION IV ling Point (°F) ncipal Hazardous Component(s) ECTION od Used) bility in Water ting Point (°F) t(s) Size Polassium Hydroxide water solution MON-REGULATED If involved in a fire, flood with water, taking care or splash. Non-flammable liquid (NA) Potassium Hydroxide Solution 100 ml, to 4 Liters BIURET SOLUTION A KOH/Water Solution FIRE AND EXPLOSION HAZARD DATA NAME HAZARDOUS INGREDIENTS OF MIXTURES Complete Freezes approx. 0°C Approx. 110-120°C Will release flammable and explosive hydrogen gas when This material is highly corrosive. In fire conditions, wear a NIOSH-approved self-contained breathing apparatus and full protective clothing. in contact with aluminum, lead, tin, zinc, % by Volume NA Evaporation Rate Percent Volatile by Volume (%) Specific Gravity (H,0 = 1) 24 HOUR EMERGENCY ASSISTANCE HAZARD RATING Est SHOHT 10% not to splatter Day 716-226-6177 Norti 716-334-4222 800-424-9300 % CHEMTREC MODERATE HIGH 2 3 and other Greater than . 9 Approx. (ACGIH 1984) 2 mg/m3 (air) TLV Units Reactivity 2 Health 3 0 EXTREME Rev. No. Protective Gloves lesp container lightly closed when not in use SECTION IX DM

SECTION V HEALTH HAZARD DATA

Threshold Limited Value Dut: Ceiling limit Potassium Hydroxide 2 mg/m2 (air) (ACGIH, 1984)

Effects of Overexposure DANGER! CAUSES SEVERE BURNS. MAY BE FATAL IF SMALLONED.

nergency and rst Aid Procedures	
SKIN: Flood with water, then wash with vinegar.  EYES: Flush with water for 15 minutes. Get prompt medical attention INTERNAL: Drope cancer for 15 minutes.	Avoid contact with skin, eyes and mucous membranes.
vinegar. Get prompt medical attention	ucous membranes.

INTERNAL: Drink several glasses of water. Follow juice if available. Call a physician immediately.

Follow with citrus fruit

SECTION VI	REACTIVITY DATA	
Stability Unstable	Conditions to Avoid	
Stable	X Arrivan	
	Actus, excessive comperature and heat.	
ncompatibility Materials to avoid)	Common metals and their alloys; acids and their anhydrides; easily oxidizable compounds.	
lazardous Decomposition Products	oducts Mone known.	
lazardous Polymerization	ation Conditions to Avoid	
lay Occur Will h	Will Not Occur	
	Mot applicable.	
SECTION VII	SECTION VII SPILL OR LEAK PROCEDUBES	

Steps to be taken in case material is released or spilled Wear proper safety equipment. Dilute with water and neutralize with 6 Molar Hydrochloric acid or sodium bisulfate.

Waste Disposal Method

Neutralize with sodium bisulfate and flush to with copious amounts of water

Discharge, treatment, or disposal may be subject to federal, state, or local laws

## Ventilation Local Exhaust Recommended SECTION VIII SPECIAL PROTECTION INFORMATION etion Protection y Type) None should be needed in normal laboratory handling. ventilation hood or west a NIOSH-approved respirator. Naust Recommended Special If necessary work in

Goggles, smock, apron, proper gloves, eye wash station Rubber Eye Protection saggles or face shield.

Other

Precautions to be Taken SPECIAL PRECAUTIONS

in Handling and Storing

Store in a cool place away from acids and acid fumes. Wash thoroughly after handling.

Other Precautions

Read label on container before using

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Date //2/87 Approved Menuty

recould

Chemical Salety Coordinator

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ed by U.S. Department of Labor "essentially similar" to form OSHA-20