MATERIAL SAFETY DATA SHEET

EM SCIENCE

	•	Preparation Date.: 03/07/95						
Manufacturer: EM SCIENCE A Division of EM Industries P.O. Box 70 480 Democrat Rd.		Date MSDS Printed.: Feb 27, 1996 Information Phone Number.: 609-423-6300 Hours: Mon. to Fri. 8:30-5 Chemtrec Emergency Number: 800-424-9300						
						N.J. 08027	Hours: 24 hrs a day	300 424 9300
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					Catalog Number PX1478	PX1480 PX1485	PX1490 PX1495	
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សត្វាសត្វិ ស្នាប់**នេះជា**ធ

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POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)

Symptoms of Exposure:

Extremely toxic and corrosive.

Causes severe burns on contact with any body tissue.

Vapor irritating to eyes and respiratory passages.

Medical Cond. Aggravated by Exposure:

Data not available.

Routes of Entry....:

Inhalation, ingestion

Carcinogenicity....:

The material is not listed (IARC, NTP, OSHA) as cancer causing agent.

4. FIRST AID MEASURES

Emergency First Aid:

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Skin: Immediately flush thoroughly with large amounts of water.

Eyes: Immediately flush thoroughly with water for at least 15

minutes.

Inhalation: Remove to fresh air; give artificial respiration if

breathing has stopped.

Ingestion: Do not induce vomiting; if conscious, give water

freely and get medical attention.

Remove contaminated clothing and wash before reuse.

5. FIRE FIGHTING MEASURES

Flash Point (F) Noncombustible

Flammable Limits LEL (%).: N/A

Flammable Limits UEL (%).: N/A

Extinguishing Media....:

Water fog (DO NOT SPLATTER OR SPLASH THIS MATERIAL)

Fire Fighting Procedures .:

Wear self-contained breathing apparatus and protective clothing.

Fire & Explosion Hazards.:

Thermal decomposition produces highly toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

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Spill Response:

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Evacuate the area of all unnecessary personnel.

Wear suitable protective equipment listed under Exposure / Personal Protection.

Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards.

Contain the release and eliminate its source, if this can be done without risk.

Take up and containerize for proper disposal as described under Disposal.

Comply with Federal, State, and local regulations on reporting releases. Refer to Regulatory Information for reportable quantity and other regulatory data.

7. HANDLING AND STORAGE

Handling & Storage:

Store in a dry area away from acids, metals, organic peroxides and easily ignitable materials.

Keep container tightly closed.

Do not breathe dust or vapor.

Do not get in eyes, on skin, or on clothing.

Retained residuo may make empty containers hazardous; use caution!

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering and/or administrative controls should be implemented to reduce exposure.

Material must be handled or transferred in an approved fume hood or with equivalent ventilation.

Protective gloves must be worn to prevent skin contact (Nitrile or equivalent)

Safety glasses with side shields must be worn at all times. Impervious protective clothing should be worn to prevent skin contact.

Work / Hygenic Practices: Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available. EXPOSURE GUIDELINES . - -OSHA - PEL: STEL CLPPM MG/M³ Component PPM PPM Potassium Hydroxide ACGIH - TLV: TWA STEL CL Component PPM MG/M³ PPM MG/M³ PPM MG/M³ Sk: Component នេះ ខេត្ត ខេត្ត ទេសភាពនេះ បន្ទេកនេះ នេះ នេះ នេះ Potassium Hydroxide $\mathbf{2}$ in the constant $\mathbf{2}$ in the constant $\mathbf{2}$ in the constant $\mathbf{3}$ in the constant $\mathbf{3}$ in the constant $\mathbf{3}$ Water and the contract of the ఉంది. కథికా లోకు డిల్కి కోయింటికు శక్తి మందికు కట్టుకు కట్టుకు కట్టుకు కట్టుకు కట్టుకు కట్టుకు 9. PHYSICAL AND CHEMICAL PROPERTIES **90377577777 1320C** Boiling Point (C 760 mmHg).: Melting Point (C) 360C Specific Gravity (H20 = 1).: 1 719C Vapor Pressure (mm Hg): Percent Volatile by vol (%): N/A N/A Vapor Density (Air = 1)....: N/A AND ANGEORGE TORS TO SEE Evaporation Rate (BuAc = 1): Solubility in Water (%)....: Soluble Appearance..... White odorless deliquescent pellets/flakes

10. STABILITY AND REACTIVITY

Stability....: Yes

Hazardous Polymerization:

Does not occur

Hazardous Decomposition.: In contact with some metals, hydrogen gas is generated	
Conditions To Avoid: Moisture	
Materials To Avoid: (X) Water (X) Acids () Bases () Corrosives () Oxidizers (X) Other: Common metals and their alloys; acids and their anhydrides easily oxidizable compounds; including explosives, aldehyd and unsaturated organics	; es
11. TOXICOLOGICAL INFORMATION	。 2 5. 然有的。
Toxicity Data: orl-rat LD50: 273 mg/kg	ing sa Kabupatèn Salah Sal Salah Salah Sa
Toxicological Findings: Tests on laboratory animals indicate material may produce mutagenic effects. Cited in Registry of Toxic Effects of Chemical Substances	17 Ale T i
12. DISPOSAL CONSIDERATIONS	

EPA Waste Numbers:

D002

Treatment:

Specified Technology - Neutralize to pH 6-9. Contact your local permitted waste disposal site (TSD) for permissible treatment sites.

ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

13. TRANSPORT INFORMATION

DOT Proper Shipping Name...:
Potassium Hydroxide, Solid

DOT ID Number....:

UN1813

14. REGULATORY INFORMATION

TSCA Statement:

The CAS number of this product is listed on the TSCA Inventory.

Component	SARA EHS (302)	SARA EHS TPQ (lbs)	CERCLA RQ (1bs)
Potassium Hydro			1000
Component	OSHA Floor List	SARA 313 ******* /	DeMinimis for SARA 313 (%)

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Potassium Hydroxide

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15. OTHER INFORMATION

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Comments:

None

NFPA Hazard Ratings:

Health : 3
Flammability : 0
Reactivity : 1
Special Hazards

Revision History:

07/01/83 11/01/84 06/16/87 10/27/87 04/11/89 03/01/91 12/09/92 02/06/93

| = Revised Section
N/A = Not Available
N/E = None Established

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